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Storer, Robert W.

1941-1949

1. Catalog, miscellaneous United States and Mexico.
2. Journal, Mexico, miscellaneous, and San Luis Obispo Co., Calif.
3. Species accounts, 1942-1945

   Reptiles

   Birds

   Mammals

Starer, R. W.

1941-1949

Catalog, nos. 156-891

May 20.

Wyoming Ave., South Orange, Essex Co., New Jersey

#. 156 Melospiza melodia TL 147, BL 39 SO. LT 8mm ♂

May. 23

Harriman, 900 ft. Orange Co., New York.

157. ♂ Spizella pusilla

158. ♂ Empidonax minimus

159. ♂ " "

160. ♂ Turdus migratorius H.V. Coes Jr. Rep.

May 26.

Mantoloking, Ocean County, New Jersey.

161. ♀ Dumetella carolinensis

162. ♂ Melospiza melodia

163. ♀ " "

May. 28. Montauk Point, Suffolk Co., New York.

164. Dumetella carolinensis ♀

165. Vireo olivaceous ♀

166. Geothlypis trichas ♀.

2 miles W. Montauk Pt., Long Island, Suffolk Co., N.Y.

167. Micotus pennsylvanicus ♂

168 " " ♀ 6 emb.

169. Blarina brevicauda ♂

170. Micotus Pennsylvanicus ♂

171. " " ♂

Brookhaven, Suffolk Co., Long Island, New York.

172. Bufo fowleri.

Rwstone
1941

catalogue 2

May 31 Brady's mansion, Hurdtown, Morris Co., New Jersey.

173	Myotis lucifugus	♀	1 emb.
174.	"	♀	
175.	"	♀	1 large Emb.
176.	"	♀	1 large Emb.
177.	"	♀	1 large Emb.
178.	"	♀	1 large Emb.
179.	"	♀	
180.	"	♀	
181.	"	♂	
182.	"	♀	1 large Emb.
183.	"	♀	1 large emb.
184.	"	♀	

Andover Ironhine, Hibernia, Morris Co., New Jersey

185.	Myotis lucifugus	♂	
186.	"	♂	
187.	"	♂	
188.	"	♂	
189.	"	♂	
190.	"	♂	
191.	"	♀	
192.	"	♀	
193.	"	♀	
194.	"	♂	
195.	"	♂	
196.	"	♂	
197.	"	♀	
198.	"	♂	

May 31 Andover Iron Mine, Hibernia, Morris Co., New Jersey

199. Myotis lucifugus ♂
200. " " ♂
201. " " ♂
202. " " ♂
203. " " ♂ Skeleton & partial skin.
204. " " ♀ " " " "

June 6 1 mile S. Toms River, Ocean Co., New Jersey

205. Tamiasciurus hudsonicus ♂

Holgate, Ocean Co., New Jersey

206. Bufo fowleri
207. " "

1 mile SW Tuckerton, Ocean Co., New Jersey

208. Sceloporus undulatus.
209. " "

June 15 South Mt. Reservation, 1 mi. W. South Orange Essex Co., N.J.

210. Plethodon cinereus

June 17. 5 mi S Laurel 150', St Georges Co., Maryland.

211. Peromyscus leucopus 148-49-19-15.

June 19. Howell Pt. 28 mi SE Wilmington, Brunswick Co. N Carolina

212. Hyla femoralis.

June 21. Daytona Beach, Volusia Co., Florida

213. Arenaria interpres ♀

June 22. 10 mi. SW Daytona Beach, Volusia Co., Florida

214. Anophila aestivalis ♂

June 23. 7 mi. S Daytona Beach, Volusia Co., Florida

215 Sialia sialis ♀? imm. s.no.

Rwstorey
1941

Catalogue 4

June 24 7 mi. S Daytona Beach, Volusia Co., Florida

216. Lizard (Anolis carolinensis)
217. Cyanocitta cristata. ♀ imm.(?)
218. Myiarchus crinitus ♀ s.o. one.
219. Centurus carolinus ♂(?) imm.
220. " " ♂ ad.
221. Dryobates borealis ♂

June 26 same loc.

222. Vireo olivaceous ♀ imm.
223. " " ♀(?) imm.
224. " griseus ♂(?) imm.
225. Sitta pusilla ♂
226. " " ♂

June 28 Same loc.

227. Baeolophus bicolor ♂ imm.
228. Dendroica pinus ♂ ad
229. " dominica ♂(?) imm.

July 3. 20 mi. SW Orlando, Orange Co., Florida

230. Peromyscus floridanus ♀ 177-78-24-22 no Emb.
231. " gossypinus ♂ 170-71-22-18 Skeleton
232. Arinophila aestivalis ♂ ad. T.E.
233. Anolis carolinensis
234. Bufo quercicus
235. Ranaeces.

July 5 Rockdale, 12 miles S. Miami, Dade Co, Florida

236. Bufo terrestris

RWStorer
1941

Catalogue 5.

July 8 Tampa, Hillsborough Co., Florida

237. Mus musculus ♀ 156-74-19-13
238. " " ♂ 165-78-18-13
239. " " ♀ 161-76-18-14
240. Bufo terrestris
241. " quercicus
242. " "
243. " "
244. Gastrophryne carolinensis
245. " "

July 9. Fanlew, Jefferson Co., Florida (18 mi. SE Tallahassee)

246. Acris gryllus

17 mi. E. Apalachicola in Franklin Co., Florida

247. Mimus polyglottos ♀ s.o.

July 12. 5 miles N Brownsville, Cameron Co., Texas.

248. Otocoris alpestris ♂ ad.

5 mi. N Raymondville, Willacy Co., Texas

249. Agelaius phoeniceus ♂ imm.

July 17. 17 miles W Linares, Nuevo Leon, Mexico

250. Peromyscus ♂ 201-104-22-17
251. " ♂ 197-104-21-19
252. " ♀ 209-111-21-19.

July 18 20 miles W Antiguo Morelos, San Luis Potosi, Mexico

253. Peromyscus ♀ 202-102-22-19 no emb.
254. Liomys ♀ 200-98-27-13 skeleton. no emb.

Rio Stover
1941

Catalogue 6.

July 19. 6 miles NE Jacala, 5000 ft. Hidalgo, Mexico

255. Peromyscus ♂ 213-105-22-19
256. " ♀ 194-91-21-19 no emb.
257. Rana pipiens
258. " "
259. " "
260. " "
261. " "
262. " "
263. " "
264. " "
265. " "
266. " "

July 24 12 miles S Cuernavaca, Morelos, Mexico

267. Tomodactylus
268. Desmodus rotundus ♀ no emb. 84,—, 17-15.
269. " " ♀ with ½ grown young 83-—-17-15 = 270.
270. " " ♀ 53-—-16-11 young of 269.
271. Balantiopteryx plicata ♂ 61-15-9-11.5
272. " ♀ 68-18-9-12 no emb.
273. " ♂ 62-14-9-12.
274. " ♂ 63-~~15~~ 15.5-9-11
275. " ♀ 64-16-9-11.5 no. emb.
276. " ♂ 59-14-9-11.5
277. " ♂ 62-14-9-12.

July 27 8 mi. WNW Acapulco, Guerrero, Mexico.

278. Glossophaga soricina ♂ 68-10-12-12.

Rostoker
1941

catalogue 7.

July 30 50 mi. E Puebla, 7000', Puebla, Mexico.

279 Peromyscus ♂ 240-128-26-24.5

280 " ♂ 223-110-25-24.

281 " ♀ 238-118-26-25. 3 emb.

282 " ♀ 253-133-26-24 3 emb.

July 31. 4 mi. SE Jalapa, 4800', Vera Cruz, Mexico.

283. Reithrodontomys ♂ 147-74-19-12.5.

Aug. 1. 20 mi. WNW Jalapa, Vera Cruz, 7500', Mexico.

284. Peromyscus. ♂ 197-99-24-21.

Aug. 5. 6 mi. NE Jacala, 5000±', Hidalgo, Mexico.

285. Eleutherodactylus hidalgoensis.

San Antonio, ~~Box~~ 2 mi. SW Xilitla, S.L.P, Mexico.

287. ~~Diadophis~~? Tantilla rubra

Aug. 6. Same loc.

288. Peromyscus ♀ 203-105-21-18

289. Mouse ♂ 224-120-27-16

Aug. 8 Same loc.

290. Gopher ♀ no emb. 307-60-38-10

Aug. 20. Merced, Merced Co., Calif.

291. Thomomys bottae ♀ 190-40-24-8 no emb.

RWStorer
- 1941

Museum of Vertebrate Zoology, Berkeley, California

September 10, 1941

Acc. No. 6527

Stategame Farm, Chino, San Bernardino Co, Calif.

April 5, 1941 (Frank Richardson Coll.)

#292 Aneides lugubris

September 12, 1941

Acc. 6535

Cow Creek, Death Valley, Inyo Co. Calif.

April 29, 1941 (M. French Gilman Coll.) Caught 9:00PM in Bermuda Grass Lawn

#293 Leptotyphlops h. humilis

Acc. 6643

2 mi. NW of Folsom, Sacramento Co. Calif.

July 26, 1941 (Quentin Tomich Coll.)

#294 Hyla regilla

295 " "

296 " "

297 " "

.298 " "

299 " "

300 " "

301 " "

302 " "

.303 " "

304 " "

305 " "

306 " "

RWStone
1941

1941 catalogue 9. 2.

Museum of Vertebrate Zoology, Berkeley, California

September 12, 1941

Acc. No. 6643

2 mi. NW Folsom, Sacramento Co., Calif.

July 26, 1941 (Quentin Tomich Coll.)

* 307 Hyla regilla

308 " "

309 " "

310 " "

August 6, 1941 (Quentin Tomich Coll.)

\# 311 Scaloporus occidentalis

312 " "

July 27, 1941 (Quentin Tomich coll.)

\# 313 Scaloporus occidentalis

314 " "

315 " "

August 10-11, 1941 (Quentin Tomich coll.)

\# 316 Scaloporus occidentalis

317 " "

318 " "

319 " "

320 " "

321 " "

322 " "

323 " "

324 " "

325 " "

326 " "

RWStorer
1941

1941 catalogue 10

Museum of Vertebrate Zoology, Berkeley, California

September 12, 1941

Acc. No. 6643

2 miles NW Folsom, Sacramento Co., Calif.

August 10-11, 1941 (Quentin Tomich coll.)

327 Scaloporus occidentalis

July 10, 1941 (Quentin Tomich coll.)

328 Gerrhonotus multicarinatus

4 miles N Folsom, Sacramento Co., Calif.

July 23, 1941 (Quentin Tomich coll.)

329 Coluber lateralis

2 mi. NW Silver Lake, Amador Co., Calif.

July 21, 1941 (Quentin Tomich coll.)

330 Thamnophis ordinoides couchii

2 mi. NW Folsom, Sacramento Co., Calif.

August 8, 1941 (Quentin Tomich Coll.)

331 Thamnophis ordinoides elegans

5 mi. N Folsom, Sacramento Co., Calif.

August 13, 1941

332 Crotalus viridis oreganus

Waddell Creek, 100 ft. 1/2 mile below forks, Santa Cruz Co., Calif.

September 14, 1941

333 Sorex trowbridgii ♂ 108-47-14

334 Aneides flavipunctatus

335 " "

336 Scaloporus occidentalis

337 Gerrhonotus coeruleus

338 " "

RWStorer
1941

1941 catalogue 11.

1325 Arch St. Berkeley Calif.
August 28, 1941

339 Eptesicus fuscus Caught in bedroom kept alive for sivl days and lent to Zoo. 11/6. Skinned on Sept, 19 after it had been dead for several days + partially mummified.
104-42-9-16

340 Spinus psaltria found dead by Mrs F.G. Watson Sept 22, ♀? 1941. Burlingame, San Mateo Co., Calif.

1325 Arch Street, Berkeley, Alameda Co, Calif.
September 29, 1941

341 Tadarida mexicana ♀ no. emb.
Caught in living room about 8 AM when it was flying about apparently trying to get out.

Museum of Vertebrate Zoology, Berkeley, California
October 22, 1941

Ac. No 6598.
North end of Castle Lake, 5200 ft. State Fish Hatchery, Siskiyou Co. Calif. July 8, 1941.
collected by Robert Miller.

342 Thamnophis sirtalis infernalis - specimen appears to be this form but has 8 supralabials on each side.

Museum of Vertebrate Zoology, Berkeley, Alameda Co., Calif.

January 22, 1942

No. 343 Ardea herodias coll. J. R. Alcorn (# 3549)

7 mi. W Fallon, Churchill Co., Nevada

January 18, 1942. ♀ ovary 18mm. largest ovum 2mm. Iris bright yellow shading to orange on perimeter lores greenish.

Museum of Vertebrate Zoology, Berkeley, Alameda Co., Calif.

January 26, 1942

Collection of reptiles and amphibians from Henry S. Fitch. Accession No. 6597. Data on original labels completely faded now. Data obtained in part from labels shortly after arrival of specimens and in part from letter from Fitch dated late ~~July or early August~~ 1941. (July 21, 1941)

Hueco Tanks, El Paso Co., Texas

June 7-8, 1941

No. 344. Ambystoma larva.

345. " "

346. " "

347. Bufo punctatus

348. " "

349. Sceloporus poinsettii

350. Thamnophis eques

Museum of Vertebrate Zoology, Berkeley, Alameda Co., Calif.

January 26, 1942

Accession 6597 (cont'd)

2 mi. E Ruidoso, Lincoln Co., New Mexico.

June 15, 1941

351. Phrynosoma douglasii

352. Thamnophis ~~eques~~ o. vagrans (~~these three specimens~~

353. " " ~~are very dark for~~

354. " " ~~this four~~)

5 mi. E Hueco Tanks, El Paso Co., Texas

June 22, 1941

355. Crotaphytus c. collaris

356. Holbrookia texana

357. Sceloporus poinsettii

358. Cnemidophorus sexlineatus perplexus

359. Coluber taeniatus giardi

Nickel Creek at Highway 62, Culberson Co., Texas

July 4, 1941

360 Rana pipiens

361 Thamnophis eques

January 30, 1942

Dark R., 2 mi. NW Carlsbad, Eddy Co., New Mexico

July 5, 1941

362. Eumeces gaigei

Rio Grande, 2 mi. W Crossroads, El Paso Co., Texas.

July 13, 1941.

363 Amyda emoryi?

Museum of Vertebrate Zoology, Berkeley, Alameda Co., Calif.

January 30, 1942 Accession 6597 (cont'd)

White Sands Nat. Monument, 2 mi. SW Headquarters, Otero Co., New Mexico

July 15, 1941

364 Holbrookia m. maculata

Rio Grande, 5 mi. S Mesilla, Dona Ana Co., New Mexico

July 13, 1941 ♀

365. Thamnophis megalops

February 12, 1942

Carmel Beach, Carmel, Monterey Co., Calif.

January 30, 1942

366 Crotalus mitchelli see note below which accompanied specimen. Too far gone to sex.

Found dead on
Carmel Beach, Carmel
Monterey Co., Calif.
30 Jan 1942 (P. Trost & Van Tuyl)
(dead for some time) — Jordan Williams

Museum of Vertebrate Zoology, Berkeley, Alameda Co, Calif.
February 19, 1942

#367 Puffinus griseus Accession 6269
Given to David & Monique Nichols by Mrs Grinnell. Given by them to the museum. The label attached reads as follows. "This Shearwater was picked up by Mrs T. Eric Reynolds on Oct 3 in Berkeley Aquatic Park, inside the fence surrounding the pool opposite the south end of the island. H. W. Grinnell. Not to be saved, just to check off on your records." It hung in the Nichols garage 1710 Grant St., Berkeley until today.

Strawberry Canyon, 1300', ~~Be~~ Contra Costa County, Calif.
February 28, 1942 Artemisia on steep hillside ½ mi. SW Grizzly Peak.

#368 Chamea fasciata ♀ ogle.
369 Microtus californicus ♂ 182-48-22-17
370 " " ♀ 161-44-21-15 (3 large 25 mm. Emb)
371 Peromyscus maniculatus ♀ 155-68-20-16 (no. Emb.)
372 Sorex trowbridgii ♂ 113-49-13-9. ~~TF~~. 6.5 = Left Testis
March 1, 1942
#373 Scaloporus undulatus
374 " "
375 " "
376 " "
377 Eumeces skiltonianus

RWStorer
1942

1942 catalogue 6

Strawberry Canyon, Berkeley, Alameda Co., Calif.

March 1, 1942

#378 Eumeces skiltonianus
379 " "
380 " "
381 Contia tenuis
382 Gerrhonotus multicarinatus
383 Reithrodontomys megalotis ♀ no emb. 139-73-17-13.

March 2, 1942

#384 Sorex trowbridgii 119-47-14-9
385 Peromyscus maniculatus ♂ 153-63-19-15
386 Microtus californicus ♀ 5 (5mm.) Emb. 159-40-21-13
387 " " ♀ 4 small emb. 154-41-20-14
388 " " ♀♂ 179-51-20-15
389 Thryomanes bewickii ♀ o.sl.e.
390 " " ♀ o.sl.e.
391 Chamea fasciata ♂ t.n.e.
392 " " ♀ o.n.e.
393 Pipilo maculata ♂ t.n.e.
394 Zonotrichia coronata ♀ o.n.e.
395 " leucophrys ♀ o.sl.e.

Museum of Vertebrate Zoology, Berkeley, Alameda Co., Calif.

April 3, 1942 acc. 6804

#396 Chen rossi This bird was received from John T. Emlen Jr. who in turn received it from Jim. C. Savage U.S.G.M.A. the federal warden of the Sacramento region. The bird was taken with two other Ross Geese and 21 Snow Geese

RWStorer
1942

1942 catalogue 6

Museum of Vertebrate Zoology, Berkeley, Alameda Co., Calif.
April 3, 1942 Acc. 6804

On December 14, 1941 at the Helpenstein Ranch, 10 mi. N Colusa, Colusa Co., Calif. The men who took these birds were fined $200 + the Ross Sheare turned over to the warden who gave them to Dr Emlen who had two skinned and sent the third to the MVZ for a skeleton.

acc 6804 Helpenstein Ranch, 10 mi. N
Colusa, Colusa Co, Calif.

December 14, 1941
USGMA per J.E.S.
Gift of J.C. Savage, Sacramento, Calif.

Arroyo Mocho, 6 mi. SE Livermore, Alameda Co., Calif.
~~April~~ May 9, 1942

397 Hyla regilla
398 " "
399 Rana boylii
400 amphibian eggs (Bufo) no emb.
401 Antrozous pallidus ♀ 116-39-12-26-Tr. 10 mm no/ch
402 " " ♀ no emb. 114-40-13-26-Tr 9.5 " "

Museum of Vertebrate Zoology, Berkeley, Alameda Co., Calif.
May 18, 1942

403 Passerina amoena ♂ t. testis ○ pickup.
collected by Frank W. Wentworth, 1860 Yosemite Rd., Berkeley from near Jackson, 1500' elev. May 17, 1942
Mrs Seavers, Co.C., member, was instrumental in getting the bird to us.

RWStorer
1942

1942 Catalogue ?.

Museum of Vertebrate Zoology, Berkeley, Alameda Co., Calif.

May 19, 1942

* 404 Antrozous pallidus ♂ 112-39-13-26-Tr.11. Testes o inguinal. from Arroyo Hocho, 6.5 mi. SE Livermore, Alameda Co., Calif. Collected May 9th with #s 401 & 402, kept alive until May 19. Examined for internal parasites by Ellsworth Dougherty.

June 3, 1942

\# 405 Aeronautes saxatilis ♀ one. dead on road.
Kings Canyon, 10 mi. w Cedar Grove 3600', Fresno Co., Calif.

June 4, 1942

\# 406. Thomomys bottae ♀, 4-10 mm. emb. 249-78-32-8.
2 mi. #E Los Baños, Merced Co., Calif. dead on road.

\# 407. Carpodacus mexicanus ♂ t.sl.e.
Tracy, San Joaquin Co., Calif. dead on road.

June 5, 1942

Accession # 6855 See letter of H. D. Alcorn of June 1, 1942

\# 408 Bufflehead ♀ mouth Quilayute River, Clallam Co., Wash.
12-2-41 = Dec. 2. Skeleton

\# 409 American Goldeneye ♀ Hastine Id., Mason Co., Wash 12-7-42 (sic)
= Dec. 7, 1941 Skeleton

\# 410 Am. Rough-legged Hawk Colfax, Whitman Co., Wash.
Jan 25, 1942 Skin. ♀ o.n.e.

\# 411 Prairie falcon ♀ same loc. as 410 Mar. 1, 1942 skeleton

\# 412 No. Phalarope ♀, Grayland, Gray Harbor Co. Wash, Sept. 1, 1941 skeleton

\# 413 Herring Gull ♀ o.n.e., Westport, " " " " " 9, 1941 skin

\# 414 Short-eared Owl ♂, Rennie Id., " " " " " Oct. 15, 1941, skeleton

\# 415 Kingfisher ♂, Hoquiam, " " " " " Nov. ", ", "

RWStorer
1942

1942 Catalogue 8.

Museum of Vertebrate Zoology, Berkeley, Calif.

June 10, 1942

Acc. 6858

416 Baeolophus inornatus ♂ Testes minute Skull not ossified
picked up dead in Strawberry Canyon, Berkeley, Alameda Co., Calif. June 10, 1942 by Mrs AS Allen.

June 13, 1942

417 Antrozous pallidus ♂ 113-38-13-27 Skeleton & pt. Skin
418 " " ♀ 116-42-14-28 " " " "
from Arroyo Mocho, 6.5 mi. SE Livermore, Alameda Co., Calif. Collected about ~~June~~ May 30, 1942 by Carl Engle for his work on metabolism. Examined for internal parasites by E.C. Dougherty.

June 15, 1942

Acc. # 6859

419 Bufo virgiianus ♀ ova 1 mm.
Collected June 12, 1942 by Roland Curtis at Rice Canyon, Lassen Co., Calif. brought in by D. Tillotson & J. Chattin.

July 16, 1942 acc. # 6879

420 Oceanodroma furcata
Picked up July 15, 1942 on the beach at San Francisco, opposite Golden Gate Park. Too far gone to Sex. Measured wing (135.9 mm bent and 142.9 straightened out.) which proved it to be the southern race, O. f. plumbea.

Museum
1942

1942 catalogue 9.

Carbarn on Telegraph Ave., Oakland, Alameda Co., Calif.

Sept. 13, 1942

* 421	Tadarida mexicana	104-38-9-17	♀	no. emb.		
422	"	"	98-34-9-16	"	"	"
423	"	"	101-40-10-19	"	"	"
424	"	"	104-38-10-19	"	"	"
425	"	"	110-41-11-20	♂.		
426	"	"	98-39-11-19	"		
427	"	"	103-38-11-18	"		

RW Storer
1943

Strawberry Canyon, Berkeley, Alameda Co, Calif.
February 14, 1943 Botanical Gardens.

428. Myotis calif. ♀ 71-31-7-12-Tr. 7 F.A. 31 wt. 3.9g. no. Emb.
429. " " ♀ 72-32-7-12-tr. 7 Fa. 31 wt. 3.65g. no Emb.

Steep Ravine ~~mi. SE~~ Stinson Beach, Marin Co, Calif.
April 11, 1943

430 ♂ Scapanus latimanus t.n.e. 168-30-22 Earthworms in stomach no stomach or intestinal parasites. collected flea & mites.

Old Mission San Jose, Alameda Co., Calif.
May 10, 1943

431 ♀ Coryrorhinus raçinesquii 100-42-10-31-tr 15 no. emb.
432 ♀ " " 97-41-10-31-tr. 14 "

El Cerrito, Contra Costa Co., Calif.
May 26, 1943

433 ♂ Antrozous pallidus 108-40-13-26-tr. 11. t.n.e.

Berkeley, Alameda Co., Calif.
October 9, 1943

434 ♂ T.n.e. s.n.o. Hylaëchla guttata

2 mi. N. Occidental, Sonoma Co., California

February 13, 1944.

435 ♀ Phenacomys longicaudus 192, 77, 20, 14. 3 - 3mm. Emb.
436 ♂ " " 113, 36, 17, 9. Young of 435.
437 ♀ " " 114, 36, 17, 9. " " "

February 14, 1944

438 ♀ Microtus californicus 151, 36, 20; 14 no emb.
439 ♂ " " 165, 39, 20, 14
440 ♂ Peromyscus maniculatus 168, 77, 20, 17
441 ♂ " " 170, 72, 20, 17
442 ♀ " " 175, 76, 20, 17 4-6 mms emb.
443 ♂ " " 164, 75, 20, 19
444 ♀ " " 176, 80, 20, 17

~~February~~
April 9, 1944

Beach at E side Bolinas Inlet, 3 mi W N W Stinson Beach, Marin County, California.

445. Fulmarus glacialis skeleton. Pickup. unusable.
446. " " " " " .

Stinson Beach, Marin County, California.

447. Cyclorhynchus psittacula pickup, mummified. unusable.
448. Gavia arctica. " , skeleton . " .

4 mi E. WADSWORTH, WASHOE CO., NEVADA.

June 26, 1944. Coll. by W. W. Dalquest.

449 Dipodomys merriami ♂ 233-130-39-14
450. " " ♀ 238-137-38-13

Rwstorer
1944.

1949 catalogue 2.

1 mi. SE San Benito Peak, 4400', San Benito Co., Calif.

August 6, 1944.

451. Aphelocoma californica ♂(?) juv. 71.4 g.

452. Junco oreganus ♂ ad. testis 1.2mm 16.2g

453. Sceloporus graciosus

August 7, 1944

454. Eutamias ~~♂~~ meriami ♂ 74.9g. 250-113-37-21-74.9 g.

455. Eutamias ♀ no emb. 77.0g. 239-111-35-77.0g.

Summit San Benito Peak, 5258', San Benito Co., Calif.

August 7, 1944.

456. Salpinctes obsoletus ♂ juv. wt. 13.0g.

N. slope San Benito Peak, 4800', San Benito Co. Calif.

August 7, 1944

457. ♂ Juv. Toxostoma ~~rufum~~ redivivum 88.2 g.

458. ♂ ad (3) Vermivora celata Testis .8 mm. small amt. of fat. 8.4 g.

459. ♀(?) Juv. " " " " " " 8.3 g.

460. Sceloporus graciosas

1 mi. SE. San Benito Peak, 4400', San Benito Co., Calif.

August 7, 1944

461. Accipiter cooperi ♂ 253g.

August 8, 1944

462 Sorex ~~vagrans~~ ornatus ♂ 89-35-12-6.

463 Peromyscus maniculatus ♀ no emb. 156-68-20-18-19.4g.

464 " " ♂ 139-59-20-17-13.5g.

465 " " ♀ no emb. 133-61-19-15-12.3g.

466 " " ♂ 135-60-18-17-14.2g.

467 " " ♀ no emb. 146-67-20-16-14.5g.

Rowstorn
1944

1944 Catalogue 3-

1 mi SE San Benito Peak, 4400', San Benito Co., Calif.

August 8,

468. Dipodomys elephantinus ♂ 315-196-47-21-71.0g. testes abdominal

469. Sitta carolinensis sex? juv. 16.6g. small amt fat.

470. Rana boylii

471. " "

472. Wilsonia Pusilla. ♀ juv. 6.4g a little fat.

473. Junco oreganus. ♂ ad 18.1g. Testis 1.mm. Almost no fat.

474. Sorex ~~ornatus~~ vagrans. ♂ 95-38-12-7-3.9g. testis 1.5mm.

August 9

475. Thomomys bottae ♂ testis 8 mm. 206-63-26-7 103.8g

1 mi ~~E~~ NE San Benito Peak, 4500' San Benito Co., Calif.

August 9.

476. Amphispiza belli ♂ juv. 18.1g.

477. " " ♀ juv. 16.8g.

478. " " ♀ juv. 15.7g.

479. " " sex (?) juv. 17.3g.

480. " " ♀ juv. 16.4g.

481. " " ♀ juv. 15.1g.

482. Sceloporus occidentalis

1 mi SE San Benito Peak, 4400', San Benito Co., Calif.

August 10

483. Peromyscus truei ♂ 189-96-24-26-25.9 grams. Testis 9 mm.

484. " " ♂ 178-90-24-21-21.7 grams. Testis 4 mm.

485. Dendroica occidentalis ♀ juv. 8.6 g. little fat.

486. Myiochanes richardsoni ♂ ad. Testes 3.5 mm little fat 12.1g.

487. Vireo Solitarius ♀ juv. 13.4 g. some fat.

488 " " ♂ juv. No fat 12.1g.

RWStorer
1944

1944 catalogue 4.

1mi SE San Benito Peak, 4400', San Benito Co., Calif.

August 10,.

489. Sitta carolinensis ♀ juv. 17.2g no fat.

490. Pipilo maculatus ♂ juv. 41.0g. no fat. iris red inner to yellowish

August 11

491. Sorex vagrans ornatus ♂ testes 10. mm. 102-34-11-8-6.2g.

492 Amphispiza belli ♀ ad. 15.5g. little fat

493. " " ♀ im. 15.2g. little fat.

494. " " ♂ im. 17.3g. little fat.

495. Spizella passerina ♂ juv. 12.3g. moderate fat.

496. Junco oreganus ♂ ad. Testis 1.5mm. no fat.

497. Empidonax difficilis ♀ imm. moderate fat.

498. Sceloporus occidentalis

499. " graciosus

500. Chondestes grammicus ♀ juv. no fat

501. Sceloporus graciosus

502. Tadpoles (Rana boylii).

9mi E Coalinga, Fresno Co., Calif. 650',

Aug 13

503 Dipodomys nitratoides ♂ 255-154-34-13-36.7g. sexually active

30mi S Mendota, Fresno Co., Calif.

Aug 13

504 Otocoris alpestris ♀ ad. little fat

Rwstorer
1944

1944 catalogue 5.

Sept 9 — Head of Steep Ravine, 1900', mi STinson Beach, marin Co., Calif.

505 Procyon lotor skull only.

Sept 24. — 1 mi. E Stinson Beach, 800', marin Co., Calif.

506 ♂ imm. Melospiza melodia no fat caught in mouse trap by Joan R. Leach.

Oct 22 — San Francisco, California [Ocean Beach]

507 Uria aalge Skeleton - Unsexable.

Dec 17 — Bay View Park, San Francisco, S.F. Co., Calif.

508 Synthliboramphus

Rwstorer
1945

Woolsey Canyon, 1100', Berkeley, Alameda Co., Calif.
April 15, 1945.

509. Scapanus latimanus ♂ 178-26-22
~~1 mi.~~ SE Carmel Highlands, Monterey Co., Calif.
May 23, 1945 (found May 20).

510. Myotis californicus ♀ 10mm embr. 80-32-6-13
Las Posadas Camp, 1.8 mi. SE Angwin, Napa Co., Calif.
Nov. 4, 1945.

511. Colaptes cafer ♀ Little fat wt 134.5 gm.
San Francisco, San Francisco Co., Calif.
Nov. 11, 1945

512. Fulmarus glacialis ♂ Lt. 5mm. moderate fat 502 gm. (see Sp. account)
1 mi. NW New Almaden, Sta. Clara Co., Calif.
Nov. 18, 1945

513. Myotis volans ♂ 92-40-8-11-6.8 gm.

Rwstorer
1946

Jan. 16. Museum of Vertebrate Zoology, Berkeley, Alameda Co., Calif.
Bats from Hewitt, 2000', Swain Co., North Carolina
Coll. by J.C. Nicholls jr. Jan. 8, 1946

514. Eptesicus fuscus ♀ 111-40-12-18-15-327-16.3g
515. " " ♂ 113-42-11.5-18-14-324-12.8g.
516. " " ♀ 117-42-12-19-14.5-330-14.2g.

Jan 20. Millerton Gulch, 300', 2½ mi. NE Millerton, Marin Co., Calif.

517. Penthestes rufescens. ♂ 1.5mm L.T. wt. 9.7g.
518. " " ♂ L.T. 1.mm. wt 9.5g.
519. Chamea fasciata ♂ L.T. 2mm. wt. 14.3g.
520. Buteo jamaicensis ♀ 2mm. ova. Wt. 1440g. Expanse 1345mm.

Feb. 21

521. Myotis ♀ 85-35-8-14-12 4.3g.
522. " ♂ 94-35-8-14-12 - 6.1g.
523. " ♂ 92-35-9-13-11 5.1g.
524. " ♀ 88-34-8-14-12 5.4g.
525 " ♀ 89-35-9-15-12 6.3g.

May 26 Carmel, Monterey Co., Calif.

526 Scapanus latimanus - Skel. only ♀ no. emb. 172-24-20.

Bonaventure Island, Gaspé Co., Quebec

July 22

527 Peromyscus maniculatus ♂ad 182-93-21-17

528 " ♂ 169-89-21-17

July 21

529 Micotus ♀ 7-6mm emb 143-37-21-13

July 23

530 Micotus ♀ 3emb. 169-44-21-14

531 " ♂ 163-44-20-15

532 " ♀ No emb. 141-36-20-14

533 " ♀ 4-3mm emb 140-38-19-13

Andover Jct. Sussex co., New Jersey

August 2,

534 Triturus viridescens

535 " "

536 " "

Silverton, Ocean County, New Jersey

August 13.

537 Rana Spleuocephala

538 Clethrionomys gapperi ♂ 129-34-19-13

August 14

539 Clethrionomys gapperi ♀ 136-34-19-13 5-12mm emb.

540 " " ♀ 126-34-19-12 3-4mm emb.

August 15

541 Sorex cinereus ♀ no emb. 96-35-12.5-7

542 " " ♂ 94-36-11.5-7

543 Clethrionomys gapperi ♂ 123-34-19-12

RWStorer
1946

Catalogue 3

3 mi. sw Summit, Union Co. New Jersey.

August 21.

544 Pseudotriton ruber ad. red.
545 " " " "
546 " " " "
547 " " " "
548 " " " "
549 " " " "
550 " " " "
551 " " " "
552 " " larvae dark
553 " " " "
554 Desmognathus fuscus fuscus
555 " " "
556 Eurycea longicauda longicauda
557 " " "
558 " " "
Desmognathus ochrophaeus ochrophaeus
559 " ~~bislineata~~ " "
560 " " " "
561 " " " "
562 Plethodon cinereus
563 " "
564 " "
565 "
566 Desmognathus f. fuscus
567 " "
568 ~~Diadoptris~~ Storeria dekayi

Post card from S. Pennisi regarding collection of # 575 & 576. (S. Pennisi, 1526 Tasker, Phila. 45, Penna.

August 2 '60

Mr Stover:

I received your letter yesterday and was very glad to hear from you. Thanks for the postage but, really, it was un-necessary.

As to the locations of places where I found the Salamanders: (I say places because I found the same type pretty well distributed over the region)

1- 3 miles due South of Cap des Rosiers light house.
2. top of cliffs of Cap Gaspé.

Of course both these locations are in Gaspé peninsula. I found the salamanders under rotting coniferous logs in company with snails & slugs. As to date. July 14 → 20.

Yours, Salvatore Pennisi

Aug 25 Holgate, Ocean Co., New Jersey

569 Bufo fowleri

Martha, Burlington Co., New Jersey

570. Rana clamitans

571. Sceloporus undulatus (fasciatus)

572. " " "

573. " - "

Aug 27. Bamber Lake, Ocean Co., New Jersey

574. Sceloporus undulatus "

duly 14-20, 1946 near Cap Gaspé, Gaspé Co Quebec.

collected by Salvatore Pennisi

575. ~~Eurycea bislineata~~ Plethodon c. cinereus

576. " " "

Aug 9. Harvey Cedars, Ocean Co., New Jersey.

577. Rhyncops nigra skull, humerus, furcula, coracoid & scapula.

Nov 30 Berkeley, Alameda Co., Calif. Killed by Cat - 2711 Virginia St.

578	Pipilo maculatus	♀	39.1 g.	one s.o.	No fat
579	Passerella iliaca	♀	31.8 g.	one s.o.	little fat.

RWStorer
1947

Catalogue 1

Feb. 13 Strawberry Canyon, Berkeley, Alameda Co. Calif.

580 Junco oreganus ♂ testis 1.5 mm. s.o. (K. Dixon Coll.) sat.

May 30 6 mi. W Inverness, Marin Co., Calif.

581 Taxidea taxus 8¼ lb. 640-140-95-45 ♀ no. embryos.

July 2. Beach W. Asilomar, Pacific Grove, Monterey Co., Calif.

582 Puffinus tenuirostris (skeleton) sex?

July 14 Samelocality.

583. Puffinus creatopus (skeleton) sex?

July 27 Same locality

584. Puffinus creatopus (skeleton) ♂ t.n.e.

Apr. 28 ¼ mi. N mouth Pajaro River, Santa Cruz Co., Calif.

585. Cyclorrhynchus psittacula skeleton ♀. ucd from L.O. Williams.

Tot. length 270 mm. O.N.E. Dead on Beach. skin somewhat ~~moist~~ limp, still somewhat moist. Vertebrae not rigid. Found by W.J. Fitzpatrick presented to Laidlaw Williams.

Parasitic Jaeger
Dead on beach
¼ mile N. of mouth
of Pajaro River,
Santa Cruz Co.,
April 27/47
— W. J. Fitzpatrick

Address: ~~Capt~~ Asst to Postmaster
Yosemite, Calif.

Tot. l = 270
♀ O.N.E.

Chin, throat & breast white
Crissum white
Tail: 12 feathers
Outer 2 white
Rest regular

RWStorer
1947

2 mi. S, 6 mi. E, Shandon. 2100'; San Luis Obispo Co., California

August 19, 1947.

586. Otocoris alpestris ♂ 29.3g. s.o. testis 1.5mm.

4 5
8 mi. S, 4 mi. E, Shandon, 1175'; San Luis Obispo Co., California

August 19, 1947.

587. ~~Empidonax difficilis~~ vireo huttoni 10.8 ♀ imm.

588. Aphelocoma californica 80.3 ♀ imm.

589. Polioptila coerula 5.2 ♀ imm.

August 20, 1947

590. Perognathus californicus ♂ 199-110-25-12-23.1g

591. " " ♂ 194-106-25-11.5-17.7g.

592. Reithrodontomys megalotis ♂ 142-74-17-14 8.8g

593. " " ♂ 124-68-17-14-7.0g.

594. " " ♂ 124-63-14-13 4.8g

595. Dipodomys agilis ♂ 305-188-43-17-70.3g.

596. " " ♂ 286-174-44-17-61.2g

597. " " ♂ 283-169-42-17-57.9g

598. " ♂ 296-178-43-18-61.2g.

599. " " ♂ 291-171-42-16-65.5g

600. Peromyscus maniculatus ♀ 159-74-20-18-17.4g. 2-12mm. embryos.

601. " " ♂ 155-72-20-18 15.9g.

August 21, 1947.

602. Thryomanes bewickii ♂ testis 1mm. 9.6g. im.

603. Empidonax difficilis ♂ im. testis 1mm. 9.7g.

604. Onychomys torridus ♂ 137-52-21-17 22.3g

605. Dipodomys agilis ♂ 301-178-43-17-78.2g

606. " " ♂ 298-180-45-17-68.6g.

607. " " ♂ 297-177-42-16-72.8g.

RWStorer
1947

4mi. S, 5mi. E, Shandon, 1175', San Luis Obispo Co., California

August 21, 1947.

608. Dipodomys agilis ♂ 300-179-43-18-69.7 g

609. " " ♂ 307-180-44-18-70.6 g.

610. Neotoma ♂ jun 160-59-26-15-27.0 g. [Not catalogued by MVZ - discarded.]

611. Sylvilagus auduboni ♂ 345-33-86-78-736.5 g.

August 22, 1947

612. Perognathus californicus ♂ 196-107-23-12-21.8 g.

613. " " ♀ 199-115-26-12-20.1 g. no emb.

614. " " ♂ 144-53-25-12-23.8 g.

615. Scoloporus occidentalis 13.5 g.

616. Myiochanes richardsoni ♂ ad. 13.9 g 4ft testis 3 mm.

617. Dendroica petechia ♂ im. 11.4

618. " " ♂ ad. 9.9 g.

619. Aphelocoma californica ♂ im. 89.7 g. l. testis 2.5 mm.

620. Neotoma lepida ♀ no. emb. 385-188-41-32-192 g.

621. " " ♀ no. emb. 368-185-39-31-160.5 g.

622. Neotoma lepida ♀ 461-219-39-35-309.5 g

623. Sylvilagus auduboni ♂ 367-30-87-79-958 g.

August 23. 1947

624. Phrynosoma coronatum

625. Perognathus californicus ♂ 202-108-25-12-23.3 g.

626. " " ♂ 202-109-24-12-22.6 g.

627. " " ♀ 183-95-23-12-21.8 g. no. emb.

628. " " ♂ 198-113-25-12-20.9 g.

629. " " ♀ 189-106-24-11-16.8 g. no emb.

630. Pipilo fuscus. ♀ ad. 49.1 g.

631. Amphispiza belli ♀. im.

Robert Storer
1947

catalogue 4

4 mi. S, 5 mi. E, Shandon, 1175', San Luis Obispo Co., California

August 24, 1947

632. Reithrodontomys megalotis ♂ 133-67-17-14-7.5 g

2 mi S, 5 mi E, Shandon, 1650', San Luis Obispo Co., California

August 24, 1947

633. Amphispiza belli ♀ im. 14.9 g.

634. Pipilo fuscus ♂ ad. 51.6 g. testis 3.5 mm.

3 mi. S, 3 mi. E, Shandon, 1200', San Luis Obispo Co., California

August 24, 1947

635. Eremophila alpestris 28.8 g. ♂ ad testis 1.5 mm.

636. " " 27.0 g. ♀ ad.

Cammatti Creek, 1480', San Luis Obispo Co., California

August 25, 1947.

637. ~~Passerella~~ Spizella passerina ♂ im. 10.2 g.

August 26, 1947

638. Peromyscus truei ♂ 203-104-24-23 26.2 g.

639. " " ♀ 214-112-23-24 27.5 g. 3-5 mm. emb.

640. " californicus ♀ 228-127-25-23 24.7 g. no. emb.

641. Dipodomys ♂ 289-168-43-15-68.3 g.

642. " ♂ 278-165-45-15-59.4 g.

643. " ♂ 288-170-43-16-72.7 g.

644. " ♀ 296-177-46-16-62.6 g.

645. Empidonax traillii ♀ im. 9.7 g.

646. Sitta carolinensis ♂ im. 16.1 g.

647. Aphelocoma coerulescens ♂ ad. 88.7 g.

August 27, 1947

648 Perognathus californicus ♂ 188-99-17-12-26.1 g

649. Thomomys bottae ♂ 220-68-30-8-117.6 g

650. Neotoma lepida ♀ 409-185-42-37-286.3 g. no emb.

Rowstone 1947

catalogue 5.

Cammatti creek, 1450', San Luis Obispo Co., California

August 27, 1947

651. Sitta carolinensis ♂ im. 17.2 g.

652. Amphispiza belli ♂ ad. 16.8 g. testis 2.5 mm.

653. Peromyscus maniculatus ♂ 146-64-19-18- 14.5 g.

654 Peromyscus truei ♂ 176-93-22-24-19.6 g.

655. Peromyscus truei ♂ 194-100-21-23-24.7 g.

656. Dipodomys ♂ 296-172-41-17-70.6 g

657. Lophortyx californica ♀ 177 g

August 28, 1947

658. Peromyscus maniculatus ♂ 131-54-19-16-12.2 g.

659. Dipodomys ♀ 290-170-42-19-64.0 g. no emb.

660. " ♀ 274-160-42-16-59.9 g. no emb.

661. " ♀ 300-179-43-18-67.7 g. no emb.

662. Sitta carolinensis ♀ im. 16.2 g.

663. Aphelocoma coerulescens ♀ ad. 80.2 g

664. " " ♂ ad. 85.4 g testis 4 mm.

665. Neotoma lepida ♀ no emb. 414-196-41-36-259 g.

666. " " ♀ no emb. 432-199-42-37-321 g.

667. Sciurus griseus ♀ no emb. 519-219-79-39-898 g.

August 29, 1947

668. Amphispiza belli ♂ ad. 13.4 g. testis 1.5 mm.

669. " " ♀ im. 13.6 g.

670. Spizus lawrencei ♀ im. 10.9 g.

671 Balaenoptera [illegible] ♂ 76.4 g.

672. Pipistrellus hesperus ♀ no emb 80-35-6-13-4.3 g.

673. Thomomys bottae ♀ no emb. 199-61-27-7-71 g.

674. " " ♀ no emb. 213-63-29-8-105.5 g.

RW Storer
1947

Catalogue 6.

Cammatti Creek, 1450 ft, San Luis Obispo Co., California

August 30, 1947.

675 Peromyscus truei ♂ 204-105-25-25-23.5g.

676. Neotoma lepida ♂ 439-211-43-37-324g.

677. Sylvilagus auduboni ♂ 412-48-93-78-1089g.

678. Thomomys bottae ♂ 228-67-31-9-145.5g

Cammatti Creek, 1750ft., San Luis Obispo Co., California

August 31, 1947

679. ~~Chamaea~~ Chamaea fasciata ♀ ad. 13.2g.

680. Amphispiza belli ♀ im. 13.5g.

681 Pipilo fuscus ♂ im. 51.3g.

682. Toxostoma redivivum ♂ ad. 85.1g.

September 1, 1947

683. Thryomanes bewicki sex? im. 9.6g. singing a soft autumn song.

684. Calypte anna ♂ 4.3g.

685. Dryobates pubescens ♂ 22.9g.

(Discarded)

686. Sialia mexicana ♂ ~~im~~. 24.8g. skull ossified

687. Pipilo fuscus. ♀ ad. 49.4g.

688. Aphelocoma caerulescens ♂ ad 91.g. testis 4 mm.

East Side McChesney Mt., 3000 ft., Sath Luis Obispo Co., California

September 3, 1947

689. Oreospiza ruficeps ♀ ad. wt. 15.7g. coll. by Alden H Miller.

McChesney Mt., 4000 ft., San Luis Obispo Co., California

September 3, 1947

690. Catherpes mexicanus ♂ im. wt. 11.g. coll. by Alden H. Miller

3½ mi. E, ½ mi N, McChesney Mtn., 1900', San Luis Obispo Co, California

September 4, 1947

691. Catherpes mexicanus ♂ ad. 12.9g.

Rowston
1947

catalogue 7

3½ mi E, ½ mi. N. McChesney Mt., 1900 ft., San Luis Obispo Co., California

September 4, 1947

692. Aimophila ruficeps ♂ ad. 17.5 g.

693. Amphispiza belli ♂ im. 13.8 g.

694. Eutamias merriami ♀ no emb. 244-109-37-19-76.4 g.

695. " " ♂ 252-113-37-20-73.8.

696. Sceloporus occidentalis

697. Otus asio ♂ 121.5 g. testis 4 mm. 1 Stenopelmatus; 1 beetle & 1 camel cricket in stomach.

September 5, 1947

698. Perognathus californicus ♂ 203-114-26-13-21.5 g.

699. " " ♂ 200-112-24-13-18.9 g.

700. Peromyscus truei ♂ 199-102-22-24-22.3 g.

701. " boylei ♂ 189-95-21-19-19.2 g.

702. " " ♀ 204-110-21-20-23.4 g. no emb.

703 Sceloporus occidentalis

704. Dipodomys ♀ 293-173-42-16-63.7 g no emb.

705. " ♂ 282-169-40-15-57.0 g

706. " ♀ 276-169-41-16-49.0 g. no emb.

707. Eutamias merriami ♂ 243-117-36-21-65.1 g.

September 6, 1947

708 Peromyscus truei ♀ 215-108-23-25-27.4 g. 3-4 mm emb.

709. Dipodomys ♂ 292-174-41-16-62.3 g.

710. " ♀ 297-179-42-17-65.2 g. no emb.

711. Eutamias merriami ♂ 217-89-36-21-77 g.

712. Sceloporus occidentalis

713. Thomomys bewickii ♂ im. 9.4 g.

714. Junco oreganus sex? im. 17.3 g.

715 Sceloporus occidentalis

RWStorer
1947

3½ mi. E, ½ mi. N, McChesney Mt., 1900 ft., San Luis Obispo Co., California

September 6, 1947

716. Eutamias merriami ♀ no emb. 249-102-35-21-83.3g.

September 7, 1947

717. Peromyscus boylii ♂. 185-92-21-18-20.5g.

718. " " ♂ 196-101-22-19-24.5g.

719. " " ♀ no emb. 205-106-22-20-23.7g.

720. " " ♀ no emb. 191-102-21-19-20.2g.

721. Aniopleura ruficeps ♂ ad. 17.5g.

722. Pipistrellus hesperus ♀ no emb. 74-26-6-11-3.8g (coll. by Alden H. Miller)

723. Otus asio ♂ testis 4mm. wt. 139g. 3 stenopelmatus in stomach.

September 8, 1947.

724. Geomomys

725. Junco oreganus ♂ im. 16.0g.

726. Aphelocoma coerulescens ♂ ad. 89.2g.

2 mi. N, McKittrick, 700 ft., Kern Co, California

September 11, 1947

727 Peromyscus maniculatus ♂ 161-73-21-18-17.1g.

728 Dipodomys nitratoides ♀ 239-139-35-14-36.7g. no emb.

729 " " ♂ 248-151-36-14-40.5g.

730 " heermanni ♂ 291-173-40-16-64.4g.

731 ~~Onychomys torridus~~ ♂ 141-47-21-18-19.4g. AH Miller coll.

732 Leta stansburiana

733 Dipodomys heermanni ♀ no emb. 283-168-40-16-58.4g. AH Miller coll.

734 Amphispiza belli ♀ ad. 14.9g. little fat.

735 " " ♀ im. 15.6g. no fat.

736 " " ♂ im. 13.8g. no fat.

737 Dipodomys heermanni ♂ 305-182-42-17-76.7g.

Rowstorer
1947

Catalogue 9.

2 mi. N, McKittrick, 700 ft., Kern Co. California

September 11, 1947

738 Dipodomys heermanni ♂ 303-182-43-17-64.3g.

September 12, 1947

739. Perognathus ornatus ♀ 144-73-20-7-10.2g. no emb.

740. " " ♀ 142-74-19-8-10.3g. no emb.

741. Onychomys torridus ♀ 135-45-20-16-17.2g. no emb.

742. Reithrodontomys megalotis ♂ 142-71-17-18-9.2g.

743. Peromyscus maniculatus ♂ 159-70-20-18-16.1g.

744. Amphispiza belli ♀ ad. 16.3g. little fat.

745. " " ♂ im. 16.6g. little fat.

746. Toxostoma lecontei ♂ im. 60.7g. no fat.

747. Dipodomys ntritoides ♂ 245-140-36-14-44.0g.

748. " " ♀ 248-142-36-14-42.2g. no. emb.

749. " heermannii ♀ 288-168-40-16-66.9g. no emb.

750. " " ♂ 300-176-41-17-70.2g.

September 13, 1947

751. Perognathus ornatus ♀ 142-74-20-7-10.1g. no emb.

752. " " ♀ 139-70-21-7-9.8g. no emb.

8 mi. W, 3 mi. N McKittrick, 2100 ft, Kern Co., California

September 13, 1947

753. Aphelocoma coerulescens ♂ im. wt. 106.5g little fat.

754. " " ♀ im. wt 83.5g. little fat.

755. Toxostoma redivivum ♀ im wt. 90.1g. little fat.

September 14, 1947

756 Perognathus californicus ♀ 186-98-24-12-21.3g no emb.

757 " " ♀ 198-104-26-13-20.2g. no emb.

758 " " ♂ 199-102-27-13-24-3g

Ruttenberg 1947

catalogue 10.

8 mi. W, 3 mi. N McKittrick, 2100 ft., Kern Co., California

September 14, 1947

759. Perognathus californicus ♂ 204-108-26-13-25.6 g.

760. " " ♂ 208-112-26-12-25.7g.

761. Peromyscus maniculatus ♂ 157-68-20-18-19.0g.

762. " " ♀ 173-72-20-19-20.8 g. no emb.

763. " truei ♀ 221-107-24-26-36.7g 4-20mm. emb.

764. Dipodomys ♂ 308-183-42-18-72.7g.

765. Mimus polyglottos ♂ ad. wt. 52.2g.

766. Amphispiza belli ♀ ad. wt. 16.3g.

767. Pipilo fuscus ♂ ad. wt. 51.5g.

768. Amphispiza belli ♀ im. wt. 15.3g. little fat.

769. Neotoma fuscipes ♀ 439-205-44-39 297g. no emb.

770. " " ♀ 381-181-40-35- 187g. no emb.

771. Sylvilagus auduboni ♀ 388-40-90-83-852g. no emb.

September 15, 1947

772. Perognathus californicus ♂ 187-99-26-13-20.9g.

773. " " ♀ 184-97-26-12-21.7g no emb.

774. Peromyscus truei ♂ 191-96-23-25-23.1g.

775. spilogale gracilis ♀ no emb. 423-149-44-28-435g. (Z.W. Salt Coll.)

776. Phainopepla nitens ♂ ad. wt. 26.5 g. testis 2mm.

777. Pipilo fuscus ♀ im. wt 48.0g.

778. " " ♂ im. wt. 54.3 g

779. Aphelocoma coerulescens ♂ im. wt. 95.0g.

14½ mi W, 6½ mi N McKittrick, 3500 ft., Kern Co., California

September 16, 1947

780. Vermivora celata ♀ ad. 6.4g. Little fat.

781. " ruficapilla ♂ im. 8.6 g. Little fat

14½ mi. W, 6½ mi N McKittrick, 3500 ft., Kern Co., California

September 16, 1947

782. Parus inornatus ♀ ad. wt. 19.9g.

783. Vireo gilvus ♂ im. wt. 12.2g.

784. Amphispiza belli sex? ad. wt. 12.2g.

785. Sitta canadensis ♀ ad. wt. 11.0g.

786. Pipilo fuscus ♂ ad. wt. 49.2g.

787. " " ♂ ad. wt. 51.1g.

788. " maculatus ♀ im wt. 34.8g.

789. Aphelocoma coerulescens ♂ ad. wt. 91.7g.

8 mi. W, 3 mi N McKittrick, 2100 ft., Kern Co., California

September 17, 1947

790. Amphispiza belli ♂ im. wt. 15.6g.

791. " " ♀ ad. wt. 13.8g.

792. Pipilo fuscus ♂ ad. wt. 49.6g.

793. " " ♀ im. wt. 47.1g.

794. " " ♀ ad. wt. 48.7

795. " " ♀ im. wt. 46.4

796. Aphelocoma coerulescens ♂ im. wt 91.3 g.

797. " " ♂ im. wt. 96.4 g.

798. " " ♂ ad. wt. 104.5 g.

Bat Cave, Carter Caves, Carter County, Kentucky

April 6, 1948 Coll. by Woodrow Goodpaster

799. Myotis sodalis 84-34-9.5-13 ♂

800. " 82-32-9-13 ♀

Merced R., 5mi. E Newman (Stanislaus Co.) in Merced Co., Calif.

Coll. Apr. 11, 1948 Killed Apr. 28, 1948 (M. Koford - see her notes).

801. Eptesicus fuscus ♀ 122-51-11-17

5mi. W, 3mi. S Firebaugh, Fresno Co., Calif.

Coll. ~~Apr~~. May 2, Killed May 4, 1948.

802. Lasiurus borealis ♀ 115-43-9-11 (from notch)

Coll. May 2, Killed May 5, 1948

803. Lasiurus borealis ♀ 118-49-9-11

6mi. W, 3mi. S Firebaugh, Fresno Co., Calif.

Coll. May 2, Killed May 5, 1948.

804. Lasiurus cinereus ♂ 122-53-10-15

Tilden Park, Contra Costa Co., Calif.

May 22, 1948.

805 Piranga ludoviciana ♂ l. testis 5×8 mm. wt 40.0 g. 1st nupt. plumage.

1.3 mi. SE Inverness, Marin Co., California

Coll. May 30 Killed May 31. M. Koford Coll.

806. Corynorhinus rafinesquii ♀ 102-43-10-35 (had aborted since collected)

807. " " ♀ 105-47-10-34 (had given birth this year)

808. " " ♀ 107-47-10-35 1 large embryo.

809. " " ♀ 106-46-10-34 1 med. embryo

806 thru 809 are all 1 year old as proved by Banding.

Tilden Park, Contra Costa Co., California

Coll. May 15 died June 3, 1948.

810 Scapanus latimanus ♀ no. emb. 180-29-22-3

RWStorer
1948

Catalogue 2.

Monterey Bay, Monterey Co., California
June 13, 1948.

Reid 811. Uria aalge ♀ Reproductive tract & stomach contents saved.
Carmel, Monterey Co., California
Found June 6 (oiled) died June 10, 1948

Reid 812. Uria aalge ♀ Reproductive tract saved - non-breeding bird.
Univ. Calif. Campus, Berkeley, Alameda Co., Calif.
June 21 (brought in by Campus Police

813. Carpodacus purpureus ♂ ad. wt. 22.8 g. Rt testis 8×6 Lt " 6×4.5
2711 Virginia St Berkeley, Alameda Co., California
June 23

814. Sorex ornatus ♂ 93-33-11.
Bay Farm Id., Alameda, Alameda Co., California
October 31,

815. Catoptrophorus semipalmatus ♂ (skeleton) shot by hunter.

Dwstover
1949

Berkeley, Alameda Co., California

Jan. 27 (date killed)

Recd 816. Zonotrichia l. pugetensis ♂ Plumage adult R Bailey # 2 Trapped 21 Dec. 1948 Skeleton

Recd 817. " " " ♂ plumage adult " " # 6 Trapped 29 Dec 1948 "

March 4

818. Ixoreus naevius ♂ testes black abt 2mm. H.C. Childs coll Skeleton

March 16

819. Chamaea fasciata ♂ Skeleton

Recd 820. Melospiza melodia gouldii ♀ checked against specimens as to race. "

Recd 821. Junco oregonus pinosus ♂ testes 4 mm identified to race in flesh by AH Miller. "

March 18

Recd 822. Chamaea fasciata ♀ "

2½ mi SE Lafayette, Contra Costa Co., Calif.

March 21, 1949. (T.R. Howell & K.L. Dixon Coll.)

Recd 823. Carpodacus mexicanus (♂ plumage) skeleton

Recd 824. " " ♂ "

Recd 825. " " (♀ plumage) "

Recd 826. " " (♀ plumage) "

Recd 827. Chamaea fasciata ♂ "

Recd 828 Vermivora celata ♂ "

Recd 829. Sialia mexicana ♀ "

Recd 830. " " (♀ plumage) "

Recd 831. Ixoreus naevius ♀ "

Recd 832. Colaptes cafer ♂ "

Recd 833. Psaltriparus minimus sex ? (March 23, 1949 AH Miller coll) skeleton

Recd 834 " " ♂ "

Recd 835 Thryomanes Bewickii ♀ "

Recd 836. Parus inornatus ♂ "

RW Storer
1949

Catalogue 2

2½ mi SE Lafayette, Contra Costa Co., California

March 23, 1949 AH Miller Coll.

Recd	B37.	Aimophila ruficeps	♂	Skeleton
Recd	B38.	Dendroica auduboni (♂ plumage)		"
Recd	B39.	" "	♀	"
Recd	B40.	Zonotrichia coronata	sex?	"
Recd	841.	" "	♂	"
Recd	842.	Sialia mexicana	♂	"
Recd	843.	Sitta carolinensis	♂	"
Recd	844.	" "	♀	"
Recd	845	Junco oreganus thurberi	♀	(ssp. checked in flesh by AHM)
Recd	846	" "	♂	"
Recd	847	" "	♂	"
Recd	848	" "	♂	"
Recd	849	" "	pinosus (♀ plumage)	"
Recd	850	" "	" (♀ plumage)	"
Recd	851	" "	" ♂	"
Recd	852	" "	" ♂	"
Recd	853	" "	" ♂	"
Recd	854	" "	" ♂	"

6.5 mi S Tejon Kern, 2700', Kern Co., California

April 30, 1949

	855	Callosaurus		
	856	Crotaphytus		
Recd	857	Sayornis saya	♂	skeleton only

May 1

1 mi. NW Hidden Valley, Joshua Tree Nat'l. Monument, San Bernardino Co., Calif.

858 Uta.

Rustow 1949

May 1

o 20 mi S. Amboy, San Bernardino Co., California

Recd 859 Amphispiza bilineata ♂ skeleton only

May 2.

1 mi s Daggett, 2400', San Bernardino Co., Calif.

860 Ereunophila alpestris ♂

May 6

Bay Farm Island, Alameda Co., California

Recd 861 Recurvirostra americana sex?

Corte Madera Marin County, California (May 6).

Recd 862. Pipilo fuscus ♂ R. Bailey coll. skeleton

Recd 863. " " ♀ R. Bailey coll. "

Recd 864. Spinus tristis ♀ R. Bailey coll. "

Recd 865. Charadrius vociferous ♂ " "

Recd 866. " " ♀ " "

May 9

Bay Farm Island, Alameda Co., California.

867. Pluvialis dominica ♂ L. testis 6×3mm. wt. 146g.

May 13 Corte Madera Marin Co., California

Recd 868 Pipilo fuscus ♂ coll R. Bailey

May 13.

Died in captivity - apparently from Marion, Marin Co., Calif.

Recd 869 Selasphorus sasin ♂ from aviary of R Kinsey via O.P. Pearson

Corte Madera, Marin Co., Calif.

Recd 870. Agelaius phoeniceus ♂ R Bailey coll. ad. plumage. Skeleton

Recd 871. ♂ " " " " "

2 mi. N. Boulder Creek, Sta Cruz Co., Calif. May 13.

Recd 872 Phenacticus melanocephalus ♂ E. Austin coll. 1st yr Plumage

RWStorer
1949

Catalogue 4

Bay Farm Island, Alameda Co., California

May 18.

Rec'd 873 Phalaropa fulicarius ♂ SB Bailey Coll. Skeleton

May 19.

Rec'd 874. Recurvirostra americana ♀ skeleton.
Mouth Beartrap Creek 2mi S, 9mi. W. Simmler San Luis Obispo Co., Calif.

May 25

Rec'd 875 Tyrannus vociferans (=Cassini) ♂ Skeleton

Rec'd 876 " " ♀ largest follicle (egg) 9mm. "

Rec'd 877 Myiarchus cinerascens ♂ "

Rec'd 878 Icterus bullockii ♀ "

2mi. S. 5mi. E Shandon, 1650; San Luis Obispo Co, Calif. (McMillan Ranch)

May 25

Rec'd 879 Salpinctes obsoletus ♂ Skeleton

Rec'd 880 Spinus lawrencei ♂ "

Rec'd 881 " psaltria ♂ "

Rec'd 882 " " ♀ "

Rec'd 883 " " ♀ "

Rec'd 884 Aphelocoma caerulescens ♀ "

2mi S. 9mi W Simmler SL.O. Co., Calif. May 26

Rec'd 885 Tyrannus verticalis ♀ Skeleton

Rec'd 886 " " ♂ "

Rec'd 887 Icterus bullockii ♂ "

Rec'd 888 Spinus lawrencei ♂ "

Rec'd 889 " psaltria ♂ "

Rec'd 890 " " ♀ "

891 " lawrencei ♂ Skeleton

Storer, R. W.

Journal, 1941-1947

R.W. Stover
1941

1941
Journal

RWStorer
1941

July 16 Harlingen, Texas to 20 mi. W Linares, Nuevo Leon, Mexico.
Left Harlingen early in the morning & drove to Hidalgo where we crossed into Mexico (Reynosa). Drove thence to Monterey and from there to Linares where we took a side road to the west which went into a canyon and eventually to Galeana. The road from Reynosa to Monterey went through Mesquite desert, from Monterey to Linares it was less arid and there were mountains to the west. Birds seen between Reynosa and Linares were: Mockingbird, House Sparrow, White-winged raven, Mourning Dove, Ground Dove, White-winged Dove, Cardinal, Boat-tail Grackle, Toxostoma curvirostre, Red-eyed Cowbird, Turkey Vulture, Black Vulture, Road runner, & Kiskidee. Made camp by the road in the canyon about 20 mi. W Linares. Set 10 traps & caught 3 Peromyscus. There were many fireflies & a large variety of ferns. The vegetation was semi-desert, agaves, cacti, sycamores, & a large variety of small trees.

July 17 20 mi. W Linares, Nuevo Leon to 20 mi. W Antiguo Moulos, S.L.P. Mex.
Left camp about 9:30. Birds found in the canyon were: Band-tail Pigeon, White-fronted Dove, Inca Dove, White-necked Raven, Canyon Wren, Cardinal, Couch Jay, Black-a. Titmouse, Turkey Vulture, Couch Kingbird, Mockingbird, & Vireo (Heard only - sounded like a Red-eye) Possibly Yellow-green Vireo.). Between the mouth of the canyon & Linares (on Rt. I) in the thick mesquite was found: Brown

Rio Store
1941

July 17 20 mi. w. Linares Nuevo Leon to 20 mi. w. Antiguo Morelos, S.L.P. Mexico. Jay, Bob white, Red-billed Pigeon, Varied Bunting, Road Runner, & Mexican Crested Flycatcher. Between Linares and the Boundary of the state of Tamaulipas were: Mourning Dove, Ground Dove, Mockingbird, Turkey Vulture, Road Runner, & an unidentified hawk. Between the boundary of the state of Tamaulipas & Victoria were: Caracara, Red-billed Pigeon, Mourning Dove, Mexican Woodhawk, Roadrunner, Cardinal, oriole (probably Alta Mira), Black Vulture, Boat-tailed Grackle, Turkey Vulture, Couch Kingbird, white-winged Dove, & Mexican Crow. Between Victoria and the Rio Frio were: Groove-Bill Ani, Boat-tail grackle, Road Runner, Turkey Vulture, Brown Jay, Ground Dove, Caracara, Sennetts Warbler, Derby Flycatcher, white-winged Dove, & Red-eyed cowbird. Stopped at the Rio Frio and birded for a short time in the tall, tropical trees by the river - Birds found here were: Caracara sp? 2, Green Parakeet 2, Red-crowned Parrot 4, Brown Jay 4, Groove-bill Ani 2, Squirrel Cuckoo 1, & Streaked flycatcher (like a streaked Couch's flycatcher) 1. Drove from the Rio Frio to Antiguo Morelos and took a sideroad to the west (Road to San Luis Potosi). Drove over the ridges of mountains and down into a broad, flat Palm Bottom, crossed a river on a small ferry and

July 18. 20 mi. W. Antiguo Morelos to 6 mi. NE Jacala 5000', Hidalgo, Mexico
on the way: Cassadix, Mexican Crow, Caracara, Black Vulture, Road Runner, white-winged Dove, Groove-bill Ani, & Couch Kingbird. at the Rio Tampaon were Rough-wing Swallow, Mangrove Swallow, & Gray-breasted Martin. Stopped at a point 33 miles south of Valles where we saw a Seedeater, Chamaethlypis, Tiaris olivaceous, Crimson Flycatcher, & Couch Kingbird. Camped off the road in the pine & oak belt 6 miles NE of Jacala, set traps, caught 2 Peromyscus. went to two nearby grassy ponds & collected Rana and many ferns. (4 sp. Polypodium etc.)

July 19. 6 Mi. NE Jacala to Mexico D.F.
Stayed in camp until 10:30 AM & saw the following birds: Ptilogonys, Black-headed Grosbeak, White-eared Hummer, Atlapetes pileatus (2 ♂♂), Basileuterus rufifrons, Ruby-cr. Kinglet (?), Catharis aurantiirostris, Raven (C. cora), Turkey Vulture, Spotted towhee, Red-sh. Flicker, Calif. woodpecker, Brown-backed Solitaire (Myiodynastes obscurus) (gray breast, light brown back, buffy wing patch (Trees song) and a sparrow like a Rufous-crown only paler (another race?). Also Audubon oriole & a small dark wren with a superciliary (Nannochilis leucogaster or Troglodytes brunneicollis). Heard a Trogon & C. G. S. Sowa. Trudy gray!. Between Jacala & Zimapan 10:50-12:30 PM: Black Vulture, Turkey Vulture, Couch Jay, and white-eared Hummer.

July 17 20 mi. w. Linares (Nuevo Leon) to 20 mi w Antiguo Morelos S.L.P., Mexico
drove further to a point above the bottoms and camped by a fast-moving stream bordered by semi-tropical vegetation. Birds seen between the Rio Frio & Camp were: Stone-bill Ani, Sharpe's seed eater, Mex. Crested Flycatcher, Mourning Dove, Brown Jay, Centurus sp?, Green Parakeet, Road Runner, Cassadix, Bob White, White-winged Dove, Red-billed Pigeon, white-eyed Vireo, & Black Vulture. Set 17 traps and caught one Peromyscus and one Liomys (latter badly damaged by ants).

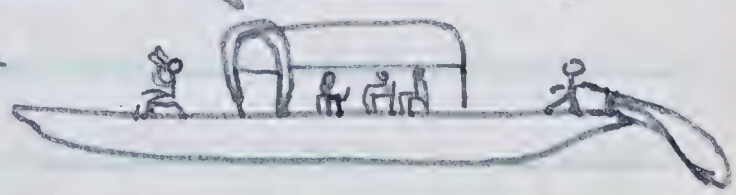
July 18 20 mi. w. Antiguo Morelos to 6 mi. NE Jacala 5000±, Hidalgo, Mex.
Around camp between 6:30 & 9:45 AM we found the following birds: Saltator atriceps, Red-c. Parrot, Green Parakeet, Dives dives, Brown Jay, Dysbates scalaris, Giraud flycatcher, heard a trogon & a probable tinamou. Also saw Thryothorus maculipectus & Tanagra lauta (identified later from notes). Tropical butterflies were abundant, gathering on the damp shores of the stream & on decaying fruits on the road. Saw two Morphos. Birds seen on the road between camp & Antiguo Morelos on the way out (9:45-10:45 AM) were: Cassadix, Sennett's warbler, Amblycercus, Derby flycatcher, Turkey Vulture, Black Vulture, Tiaris olivaceous, Deer (Sp?), Hawks (Buteo magnirostris?) & heard a wren with a song like a red-eye. Drove to the Rio Tampaon and saw the following birds

July 19 | 6 Mi. NE Jacala to Mexico, D.F.

Between Zimapan & Mexico (mostly cactus desert) (altitude last 40 miles). measur. Hooded Oriole, Vermillion Flycatcher, Black Vulture, Barn Swallow, Raven (C. Corax), Thrasher with short bill (T. Ocellata?), Rock Wren, Mexican Goldfinch. After doing some errands in Mexico city we drove to the Desierto de los Leones had supper & while looking for a place to camp found two Mexicans who had a week-end cabin in the Desierto & we stayed with them over night.

July 20 | Around Mexico city

Rised & Breakfasted in the Desierto between 6:30 & 9:50 AM & saw the following: Red Warbler, Mexican Junco, Pentheastes sclateri, Pipilo macronyx, Olive warbler, Basileuterus belli, Brown creeper, Atlapetes pileatus, Robin, Euphonia elegantissima, Red-shafted flicker, Catharus occidentalis, From the Desierto to & around the city we saw the following birds: House finch, Barn Swallow, White-eared Hummer, Blue-throated Hummer, Brown Towhee, Plagiospiza superciliosa, Skylark, Couch Jay, Chipping Sparrow, Pentheastes sclateri, & Song Sparrow. Drove to the National Museum & saw the meager exhibits, & later went to the Floating gardens of Xochimilco & went through the canals in a flat-bottomed scow. The gardens were once floating corn fields in



Rustons
1941.

July 20 Around Mexico D.F.

the time of the Incas but continued piling on of dirt anchored them to the bottom. Now it is a series of corn fields with a maze of canals in between & many lombardy poplars along the edges. There were few flowers - The water was muddy & had a few water lilies & water hyacinths & a lot of duckweed & wolffia or Wolffiella. The birds were disappointing - Song Sparrows, Barn Swallows, Brown Towhees, Shrikes, and a few Orioles (Icterus abeillei). Spent the night in the trucks in the Desierto de los Leones.

July 21 Around Mexico D.F.

Left the Desierto early & spent until about 2 PM. doing errands & shopping in Mexico City. Later drove out North of town to Cuautitlan & back by another road. It is mostly farming country being quite flat although surrounded by hills. The main crops are corn & agave. The birds are mostly familiar, Song Sparrows, Brown towhees, House finches, Mex. Goldfinches, Shrikes, Meadowlarks, House Sparrows. In the Plaza of Cuautitlan was a bird on the ground which looked at first glance like a House sparrow & acted similarly. When I put the glasses on it, I saw that blue on the head & some chestnut wing bars. The rest of the bird resembled in shape & actions a House Sparrow so much that I am inclined to believe it might have been a Hybrid. Drove back to the Desierto for the night.

caught glimpse of Popocatepetl & Ixtla.

July 22 Around Mexico D.F.

Left the Desierto after breakfast, collected two ferns & saw the following birds. Hylocharis xantusi, Mexican Junco, Black-headed Grosbeak, Slate-throated Redstart, Steller Jay, Brown Creeper, Red-shafted Flicker, Golden-crowned Kinglet, & Catharus occidentalis. Spent the A.M. in town doing errands, Went to Chapultapec Park & spent from 1 to 2:45 there. Saw the following birds there: House Finch, Robin, Ptilogonys, Brown Towhee, Catharus aurantiirostris, Bush tit, Vermillion Flycatcher, Bewick's Wren, Inca Dove, Black-headed Grosbeak, & Song Sparrow. Went to the national Park east of Toluca for the night.

July 23 Mexico D.F. to 12 mi. S. of Cuernavaca Morelos, Elev. 4500'.

Around camp in the national Park (open spruce forest & meadows) were (7-8:30 AM) Troglodytes brunneicollis, Psaltriparus melanotis, Zonotrichia capensis, Pentheres sclateri, Myiodynastes maculatus, Pipilo macronyx, Junco Phaeonotus, Song Sparrow, Empidonax (probably fulvifrons, a large swift (collared white naped) & a ♀ Hummer, med. size. white underparts, green back. Small white corners on tail - brownish on flanks. Drove into Mexico & stayed until about 1 PM when we took the road to Cuernavaca. Collected 3 ferns by the 23 KM post. Saw Blue bird (wm.), Junco, Plagiospiza, Steller's Jay, & Couch's Kingbird 25 km. S of Mexico. Stopped 12 miles south of Cuernavaca & drove off on a side road which led to a mesquite-covered valley

July 23 Mexico D.F. to 12 mi. S. of Cuernavaca Morelos, 4500'

cut by a stream in a small canyon. Made camp & set traps. Caught small Hyla & saw many Cnemidophorus & 1 Sceloporus.

July 24 12 mi. S. of Cuernavaca, Morelos, Mexico elev. 4500'

No mice (J.D. caught 2 Liomys). Stayed in Camp while others went hunting. Watched 2 Momotus mexicanus in tree on other side of canyon. Later crossed stream & found that it disappeared in the rocks & reappeared by a large pool 50 yards downstream. Also found a cleft in the rocks about 2'x 20' where there were many small bats - collected 2 & went around the rocks where I found another entrance to the cleft & collected 5 more Bats. After lunch went for a swim in the big pool. The water came out of the ground into the pool from a cave with ~~two~~ two entrances by the pool. Investigated the cave & found it sloped up & had 2 entrances from dry land. Came back later, entered one of these entrances & collected a series of Vampire bats of which there were a great number in the cave.

Baliantiopteryx

July 25 12 miles S. Cuernavaca to 35 Km. S of Chilpancingo, Guerrero.

Broke camp about 2:30 P.M. The birds seen at this camp were: (* = not seen by myself.) Caracara, Black Swift; * Texas Kingfisher, Mexican nutmeg, Centurus chrysogenys, * Platypsaris aglaiae, Spinus psaltria, Turdus flavirostris, * Broad-billed Hummer, Girandi Flycatcher, Derby Flycatcher, Couch's Kingbird, Inca dove, * Black

July 25 12 mi. S. Cuernavaca to 35 KM. S of Chilpancingo, Guerrero.
Phoebe, Aimophila acuminata, Cliff Swallow, Canyon Wren, * Piaya mexicana, Icterus pustulatus, Aimophila humeralis, Black Vulture, Orchard Oriole, Red-eyed Cowbird, Mexican Black Hawk, Turkey Vulture, * Happy Wren, * Varied Bunting, * "Spotted Wren", Broad-billed Ani, Redwing, Colinus virg., Towhee sp? (= rutilis?), * Volatinia.
Drove to Chilpancingo & stopped at the Hotel Mexico to see Mr. & Mrs. Wilmot W. Brown who entertained us with beer & crackers & showed us some specimens which he had recently put up. He uses moulds of tin or aluminum for his bird skins & wraps them with thread after lining the mould with cotton. They ordered supper for us & told us many interesting anecdotes about their experiences. We left them about 10 PM & drove south for 35 KM. & slept in the truck by the road as it was raining.

July 26 35 KM. S. Chilpancingo to Pie de la Cuesta, 8 mi. W of W Acapulco, Guerrero, Mexico.
Drove to a pass in the Pine Belt 25 miles S. of Chilpancingo where we spent most of the morning collecting birds & ferns. The birds present were. (* not seen by me): Turkey & Black Vultures, Mexican Ground Squirrel, Inca Dove, Amazilia violiceps, Saucerottia beryllina, * Tityra semifasciata, Myiochanes pertinax, * Xiphorhynchus flavogaster, Aimophila superciliosa, Atlapetes pileatus, Thamnotes mexicanus, Thryophilus

July 26 35mi. S. Chilpancingo to Pie de la Cuesta, 8mi. WNW Acapulco, Guerrero, Mexico.

sinaloa. From there we drove to acapulco & thence over a dirt road along the coast to Pie de la Cuesta which is on a strip of beach between the Pacific Ocean & a lake surrounded by mangroves. On the way we saw: Citrolinis Trogon, Magpie Jay, Acapulco Jay, Turkey Vulture, Black Vulture, Cassicanlus melanicterus, White-winged Dove, Ringed Dove, Inca Dove, Boat-tailed Grackle, Setenus pustulatus We drove along the road on the north side of the lake (but not within sight of it) for several miles & returned to "Todd's Place" where we spent the night. Many Geckos on the walls & a small leaf-nosed bat in our room (collected). The geckos make a loud sort of purring note which can be approximated by vibrating the tip of the tongue.

July 27 Pie de la Cuesta to 25 miles S. of Chilpancingo.

Took a heavy rowboat & small outboard motor boat & went to the far end of the lake & back. Saw a large iguana & several small ones (?) & the following birds (* seen by road July 26th). Pied-bill Grebe, Brown Pelican, Mexican Cormorant, Anhinga, Man-o-war bird, Great blue Heron, Little blue heron, Louisiana heron, American Egret, Snowy Egret, Black-crowned & yellow-crowned Night Heron, Green Heron, Cabanis Tiger Heron, Wood Ibis, White Ibis, Roseate Spoonbill, Black-bellied Tree Ducks, Lesser Scaup, Turkey & Black Vultures, Caracara, Coot, Florida Gallinule,

July 27 Pie de la Cuesta to 25 miles S of Chilpancingo, Guerrero.
Mexican Jacana, Hudsonian Godwit (?) Tern, Gull (Sp?)
Vinaceous Ground Dove, *Inca Dove, White-winged
Dove, Groove-bill Ani, Nighthawk, Ringed Kingfisher,
Spotted Sandpiper, (Western?) Sandpiper, *Ivory-billed
Pileated Woodpecker, Golden-cheeked Woodpecker,
Derby Flycatcher, Couch's Kingbird, *Acapulco Jay,
Bullock's Magpie Jay, *Sclater's Cacique (H. similis),
Redwing, Boat-tail Grackle, * Yellowthroat.
Drove to pines 25 miles S. of Chilpancingo where
we spent the night. On the way we saw a
hawk & a quail
upon which we took notes.

July 28 25 mi. S. Chilpancingo to 9 mi. N Cuernavaca, Morelos, Mexico.
In the A.M., C.G.S. added Green Jay, Basileuterus pulcher
& Lepidocolaptes affinis to the list of birds seen around
camp. Left in time to reach Chilpancingo about noon
where we again called on Mr & Mrs W.W. Brown. Left
in the P.M. & drove to a point about 9 mi. North of
Cuernavaca where we spent the night in the pine
forest at an elevation of about 8500'.

July 29 9mi N Cuernavaca to 50 miles E of Puebla, Puebla, Mexico
Birds seen around camp in the morning included:
Mexican Goldfinch, Red Crossbill, Plagiospiza, Eastern
Bluebird, Myiozetetes texensis, Myiodynastes luteiventris,
Basileuterus sp?. Mexican Junco. Drove into town
arriving about 11 AM & stayed until about 3 PM,
& drove to 50 miles E of Puebla (204 K.M. from Mexico

RWStorer
1941

July 29 9 mi. N Cuernavaca to 50 mi. E Puebla, & Puebla, mex. and camped on a flat, grassy pasture near some rocky outcrops which harbored large Opuntia trees, prickly poppies, & other semi-desert plants including 2 species of ferns (collected). The common birds were: meadowlarks (magna), Horned Larks, Cliff Swallows, Savannah Sparrows, House Finches. We also saw a cactus wren (sp?) & a marsh Hawk. Set out 15 traps & caught 9 Peromyscus.

July 30 50 mi E Puebla to 4 miles SE Jalapa, 4800', Vera Cruz. Broke camp & drove toward Jalapa. At a crater lake just west of the border between Puebla & Vera Cruz we saw about 4 Eared Grebes & 5 Ruddy Ducks. Ate a late lunch in Jalapa & drove 4 miles SE stopping on a side road into a coffee & orange plantation. Camped on a grassy hill overlooking the coffee & orange groves. Set 16 traps & caught 1 Reithrodontomys (skull crushed. Birds seen around camp included (* not seen by RWS). * Icterus prosthemelas * Buarremon brunneinuchus, Aimophila ruficauda, Crested flycatcher, Rough-winged Swallow, [redacted] Hawk (Red-sh.?) Turdus oliv[redacted], Spizaphila morelleti, Black & Turkey Vultures, hightjar sp?. Brown Jay (with white-tipped tail) = mexicanus. & a sparrow with a finely streaked breast otherwise very much like (Spizella breweri).

July 31 4 miles SE Jalapa to Boca del Rio, Vera Cruz, Mexico.

Broke camp & drove to Vera Cruz in time for lunch. Saw Jacana & mangrove fern (Acrostichum aureum) in marshes west of Vera Cruz. Had lunch (soup, rice, fried chicken, steak & salad, preserved peaches & coffee) for 90 centavos = 18 cents). Stayed in Vera Cruz until about 5 PM. Before leaving had Chocolate Soda (20 centavos) made in a small stall in a public park with a very old soda fountain. The jerker put in two scoops of chocolate ice cream (made with water as usual); pressed a knob labelled "Celery" out of which came sugar water; next pressed a knob labelled "Wild Cherry" (skipping the one labelled "chocolate"). this produced chocolate syrup: next came soda water; then vanilla ice cream; & finally more soda water. The result was quite sweet & watery. We then drove to Boca del Rio on the mouth of the Rio Jamapa, stopping for a swim on the way - water brownish from the river, soupy, and shallow with almost no surf. Saw Osprey, Charadrius wilsonia, Least Tern, and Spotted Sandpiper on the beach. Had excellent sea food dinner at Boca del Rio. (Including squid cooked in its own ink which tasted like lobster). Drove waiter into Vera Cruz & spent an hour or so window shopping. Returned to Boca del Rio and camped on the beach at the mouth of the River.

August 1. Boca del Rio to 8 mi. WNW Jalapa, 7500', Vera Cruz, Mexico.

Hired a dugout canoe & boatman (10 pesos) and were poled up the Rio Jamapa (both forks) from 7 AM to 1 PM. Got ashore at several places & collected. Red mangrove (with long fruits), tall grass, fig trees, & mangrove Fern bordered the river, the first being most abundant. Many crabs - some brown & bright red, and others pale dirty white or blue were among the mangroves and made off with a Seedeater which C.G.S. shot. The birds seen included: Man of War Bird, Little Blue Heron (coll.), Green Heron (nest with young seen), American Egret, Wood Ibis, Turkey Vulture, Black Vulture, a flock of migrating (Buteos?) with white (some buffy) rump otherwise all dark. No white tip to tail, Caracara, Laughing Falcon, Jacana, Charadrius collaris, Semipal. Plover, Spotted & Least Sandpipers, Franklin's Gull (2 ads in worn plumage), Cabot's, Common & Least Terns, Black Skimmer, Red-billed Pigeon, Ruddy & Mexican Ground Doves, Groove-billed Ani, Buff-bellied Hummingbird, Amazon, Little Green, & Ringed Kingfishers, Dryobates scalaris, Centurus santacruzi, Couch Kingbird, Derby, Giraud & Beardless Flycatchers, Platypsaris aglaiae, Mangrove Swallow, Gray-breasted Martin, Helodytes Zonatus, Black & white Warbler, Redwing, Boat-tailed Grackle, Chamaethlypis, Hooded oriole, Blue Tanager, Volatinia, Cinnamon-rumped seedeater. Ate lunch at Boca del Rio and drove to a point 8 miles

Aug. 1. Boca del Rio to 8 miles W.N.W. Jalapa, 7500', Vera Cruz, Mexico.

WNW Jalapa, 7500', in Vera Cruz for the night. The camp was on lava rocks and the vegetation was largely Pine, Baccharis, Pteris aq., a sort of agave, some alder, and an abundance of ferns (collected 22 species) including a Botrychium & Ophioglossum. Set 16 mouse traps & caught one young Peromyscus.

Aug. 2. 8 mi. WNW Jalapa to 40 miles E Puebla, 7000', Puebla, Mexico

Stayed in camp until 5PM. Birds seen around camp were: Whip-poor-will, Trogon (Mex.?), White-eared Hummer, Red-shafted Flicker, Hairy Woodpecker, Empidonax affinis, Slate Chickadee, Brown Creeper, Catharus (Sp? head), Troglodytes brunneicollis, Black-headed Grosbeak, Atlapetes pileatus, Plagiospiza, & Junco phaeonotus. Left camp & drove to a point 40 miles East of Puebla (204 km. Post) & camped in a mixed Spruce, Pine, Pinyon, Oaks, Yucca (tree), & Baccharis association. Set 10 traps & caught 1 young Peromyscus (discarded) coll. Blue Umbel.

Aug. 3. 40 miles E Puebla to 57 km. East of Mexico City

Birds seen around camp in the morning were: Trogon (sp.?), Turkey Vulture, Poorwill, White-eared, Violet-eared (Colibri), & Blue-throated hummers, Myiochanes pertinax, Empidonax difficilis, Empidonax (sp.? very gray with white wing bars), Couch Jay, Black-eared Bush Tit, Slate Chickadee, White-breasted nuthatch, Robin, Olive Warbler, Mexican Goldfinch, Red Crossbill, & Towhee (sp.?). Left at about 12:45

Aug. 3. 40 miles E. Puebla to 57 ~~Km~~ KM E. Mexico City, Mexico D.F.

PM & drove to Puebla where we visited the market. From there we drove to a point 57 Km. East of Mexico City & camped for the night in a pine forest.

Aug. 4. 57 Km. E. Mexico City to 6 mi. NE Jacala, Hidalgo Mexico

Left camp about 8 AM. Saw Red Crossbill, Juncos, & Chickadees about camp. Heard an unidentified owl all night & Sol. Hummingbirds. Drove to Mexico City & did errands until 1PM when we left for the north. Ate supper in Jacala & drove to the camp where we stayed the night of July 18th. Saw Prairo Avalo & drove back to Jacala for some wine. Sat around camp in the evening talking to Prairo. Set 16 traps & caught a frog. Heard Whip-poor-wills all night.

Aug. 5 6 mi. NE Jacala to 2 miles SW Xilitla, San Luis Potosi, Mexico.

Left camp about 8:30 AM and drove to Xilitla. Saw a flock of collared Swifts 20 miles north of Tamazunchale. Saw quite a few Morphos in the lowlands for 20 miles in both directions from Tamazunchale. Drove to Xilitla and from there to San Antonio where we made camp by the road on the foundations of a house. Set 16 traps & caught 1 Peromyscus & one other mouse & a Diadophis? (Reddish back & underparts).

August 6 San Antonio, 2 miles SW Xilitla, 2500', San Luis Potosi.

Skinned mice, birded & set traps (6 gopher traps) & caught nothing. In afternoon set 10 mouse traps - mostly sprung by rain - No mice.

August 7 San Antonio, 2 miles SW Xilitla, 2500', San Luis Potosi.

Took in gopher traps & set more - 2 singles & 3 doubles. One sprung by dirt - reset. Walked to Xilitla & back in the P.M. Heavy rain. Caught one gopher (large).

August 8 San Antonio, S.L.P. to Monterrey, Nuevo Leon, Mexico.

Broke camp by about 8 AM. Birds seen near camp & on way to main road (Route #1) were: Turkey Vulture, Black Vulture, Chachalaca*, Bonaparte's Dove, Red-billed Pigeon, Groove-billed Ani, Squirrel Cuckoo (cayana), Green Parakeet, Amazona (sp?), Collared Swift, Buff-bellied Hummer, Coppery-tailed Trogon* (C.G.S head), Ringed Kingfisher, Centurus santacruzi, Couch Kingbird, Giraud Flycatcher, Sulphur-bellied Flycatcher, Rose-thr. Becard, Brown Jay, Green Jay*, Canyon Wren, Thryophilus maculipectus, Sennetts Thrasher*, Tamaulipas Thrush, Yellow-green Vireo, Sennetts Warbler, Basileuterus rufifrons, Blue Honey Creeper (Cyanerpes), Icterus melanocephala, Blue Grosbeak, Abbots Tanager, Piranga leucoptera, Tanagra lauta, Tanagra affinis, Amblycercus holocericeus, Dives dives, Spocophila, Texas Sparrow, Buarremon brunneinucha*, Black-headed Saltator, Tiaris olivaceous. (* = not seen by me. One of the mexicans near by had four birds in cane cages which (the birds) he claims to have gotten up in the mountains above the town. They were gallinaceous birds somewhat larger than a quail. They were finely mottled all over, had no crest, bright red bill & feet. The general effect of the plumage was brown but contained

August 8 San Antonio, S.L.P. to Monterey, Nuevo Leon, Mexico.

considerable rufous and some clear gray. (Note. identified as Dendrortyx by comparison with Salvador skins July 1, 1942).

The large trees in the neighborhood were covered with epiphytes. Ferns seen but not collected were a large Pteris with entire pinnules and an epiphyte with entire fronds like Hart's Tongue but with small round sori (Polypodium subgen?) Drove to Xilitla for breakfast and left about 9:30 AM. Drove to the outskirts of monterrey where we camped for the night. Saw 7 Caracaras en route, also collared Swifts, Cardinal, Anis, Roadrunners, etc.

August 9 Monterrey, Nuevo Leon, Mexico to Harlingen, Texas.

Drove to Harlingen via Monterrey & Reynosa. Between Monterrey & Reynosa we saw: Prairie Falcon, Sennett White-tailed Hawks, Sparrow Hawk, & Texas Kingfisher. Hit a half-grown cow a few miles from Reynosa and ran off the road. No one hurt but the cow which died and was hooked by a party of Mexicans before we got back on the road. Spent the night at the home of J. Luby Davis in Harlingen. Had car repaired.

Museum of Vertebrate Zoology, Berkeley, California.
December 22, 1941.

The following label was found in a jar containing M.V.Z. Specimens # 36477-36480 inc;

Feb. 2, 1940 Isla Partida
Espiritu Santo Island
Gulf of California, Mexico
Elevation 10 feet.
J.F. Janssen Collector

and the following label in a jar containing M.V.Z. Specimens # 36481-36489 inc.

2/6/40 S.E. End
Carmen Isl. Gulf
of Calif. Elevation
10 to 150 ft. J.F. Janssen. Coll.

All the specimens in both jars were labelled "Espiritu Santo and Carmen Islands - Feb. 2-6, 1940" evidently by someone doing curatorial work between then and now.

From this evidence it seems likely that there was some doubt as to which label belonged in which jar.

A study of the material might prove which specimens came from which islands.

December 28, 1941

According to Burt's paper on Cnemidophorus (1931) the two specimens of C. hyperythrus (both in the second jar, approach coeruleus, the form on Carmen Id.

M.V.Z. Dec. 28, 1941 (cont'd.)

rather than typical hyperethrus which has been collected on Espiritu Santo Id. - especially one specimen. However they should be checked with specimens.

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2427 Channing Way, Berkeley, Alameda Co., Calif.

December 29, 1941

Summary of trip around Davis, Yolo Co. for the Audubon Magazine's Annual Christmas Census. December 23, 1941. Left Residence of J.T. Emlen, (College Pla., Davis) at 6:50 A.M. and walked through the campus to the creek which we hit at the apiary where we found an adult ♂ Yellow Warbler. We followed the creek downstream to the orchard on the SE Corner where J.T.E. left me, at 9 AM and returned home across the University Farm (his usual census route for his censuses of the farm.). I continued downstream to Putah Creek which I followed upstream to the highway where J.T.E. met me with the car at 10:45 A.M. 3 Libellua and 5 Sepias were seen on this stretch and there were several Hyla regilla singing. Earlier (on the upper part of the creek near the campus) we saw a Rusty Song Sparrow which is almost the color of a fox sparrow and strikingly different from the native Modesto Song Sparrow. After picking up some sandwiches at the Emlens we went north toward Woodland on the county roads East of the main highway from Davis Ict.) And covered a stream and marsh on a game management area about 2 miles S of the Woodland causeway. Here were

2428 Channing Way, Berkeley, Alameda Co., California

December 29, 1941 (Davis Xmas Census Cont'd

a Bewick's a Song. Killed marsh wren and a Snowy Egret. From here we went out on the levee where, in the ruts were patches of collembola on many of the puddles. The patches looked like Wolffiella only instead of green, they were purplish like the purple color which Fe_2O_3 sometimes assumes. The river was high and on the ricefields to the east of the levee was an enormous flock of waterfowl which extended the two miles to the Woodland causeway and was about ¼ mile wide. The mass was white with snow geese but there were many more dark birds, mostly pintail present. There were 5 Short-eared owls on the marsh at this point. From here we drove to Woodland to pick up Yellow-billed Magpie and Cowbird and stopped at the land where the large Sugar beet refinery in Woodland dumps its waste liquors. This must be an excellent supply of food for protozoa + invertebrates as there are always good numbers of shorebirds there. Most odd was a concentration of about 50 Wilson's Snipe at this point. Yellowlegs, Least Sandpipers, and Dowitcher which were present Thanksgiving weekend were not seen on the census. Next we drove to the causeway where we had a look at the

2427 Channing Way, Berkeley, Alameda Co., California

December 29, 1941 Davis xmas census (cont'd)

waterfowl flock from the other end. When a passing airplane flushed about ½ of them and the swirling masses immediately brought to mind specks of metal in aluminum paint when it is stirred. We tried in several ways to estimate the numbers - by blocking them off in thousands and then tens of thousands. Our final estimate which we think is very conservative was Whistling Swan 20 (probably many more); Canada Goose 5,000; Lesser Canada Goose, 15,000; Cackling Goose, 10+; White-fronted Goose, 30,000; Lesser Snow Goose, 80,000; Ross Goose, 20+; Anatine Ducks 225,000 (probably 98 % Pintail, others identified Mallard 50+; Baldpate 75+; Green-wing Teal, 30+; Shoveller 50+.) We returned to Davis and went to the creek behind the Campus where we found a pair of Screech Owls. Pheasants were very numerous- we saw about 100 on the road leading east to the Woodland causeway in a stretch of about 2 miles. Temperature at start 44° F and at finish (5:30 PM) 46° F. Weather partly cloudy and with very little wind. Census sent to Audubon Magazine for publication. Total 99 species + Sub-species and 363,904 + individuals.

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Museum of Vertebrate Zoology, Berkeley, Alameda Co., Calif.

January 21, 1942

accession 6289

Acc. no. 6289
Brought from So Africa by S.R. Ataatt

no. 21 Bufo common at Boulders, East Traveraal

26 Bufo Inanda Seminary, Phoenix, Natal

Common - caught at night in gentle rain

30-34, 37-8, 42-4 given at Pretoria, Traveraal by Prof Malan - local.

30 Rana adspersa (Bib) bullfrog
31 Bufo carens Sm (reddish)
32 Bufo regularis Reuss
33 Xenopus laevis (Daudin)
34 Xenopus laevis
37 Bufo ?
38 Bufo ?
? 42 Bufo regularis
? 43 Bufo regularis
? 44 Bufo regularis

51 Rana fusciqula - Jonker's Hoek, Stellenbosch, Cape Province
52 Xenopus laevis Jonker's Hoek

This and the card on the following page accompanied the specimens of accession

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Museum of Vertebrate Zoology, Berkeley, Alameda Co, Calif.
Jan. 21, 1942.
No. 6289. (M.V.Z. specimens #s 36926-36943.

Acc. 6289
Stellenbosch, Cape Province
no 13
Terrapin - Cape Terrapin
Pelomedusa galeata

no 1, no 2
Homalosoma Cuttrix
Bufoveria Cuttrix
2 small dark snakes found under rocks - constricters when killed

no. 12
Homorelaps lacteus from "Kouebandjes" - The snake with bands

#s 42+43 turn out to be Rana fuscigula and not Bufo regularis. There has been some mix up somewhere along the line. #s 1+2 put away in the collection as "Homalosoma"

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3.EE.

2420 Channing Way, Berkeley, Alameda Co., Calif.

January 21, 1942

Summary of the Grinnell naturalist's trip to Stocton, Calif. on January 18, 1942.

Left Berkeley about 7:45 AM with Herman Schwartz, Tom Rodgers, Dick Kiel, Dick Taber, and Ted Stone. Drove to Stocton where we met Jack Arnold at the campus of Pacific Union college. Drove north and birded in the area adjacent to the San Joaquin River for about 5 miles N Stocton. 10 AM to 4 PM. Pt. cloudy. Warm in sun. The area consists of open fields, mostly used for grazing, and willow growths near the water. The birds seen included:

Pied-bill Grebe	2	Turkey Vulture	20
Great Blue Heron	3	Red-tail Hawk	8
American Egret	2	Red-Shouldered "	1 imm.
Am. Bittern	1 (J.A.)	Marsh "	4
Bl.-cr. Night Heron	15	Sparrow "	3
Mallard	50	Prairie Falcon	1
Gadwall	3	Valley Quail	8+
Baldpate	1+(JA)	Coot	400
Pintail	10	Killdeer	25
Green-w. Teal	50	Wilson Snipe	8
Cinnamon "	6	Gr. Yellowlegs	12
Shoveller	75	Least Sandpiper	500+
Ruddy Duck	3	Dowitcher	9

2420 Channing Way, Berkeley, Alameda Co., Calif.

January 21, 1942.

Summary of N.N.S. Trip to Stocton, Jan. 18, 1942 (cont.)

Birds seen near Stocton (cont.)

Mourning Dove	2	Orange-c. Warbler	1
Red-sh. Flicker	10	Audubon "	8
Calif. Woodpecker	1	Yellowthroat	4
Black Phoebe	2	Wn. Meadowlark	20
Am. Crow.	500	Redwing.	1000
House Wren	1	Brewer Blackbird	250
Bewick "	2	Cowbird	20
L.-b. Marsh "	10	House Finch	200
Robin	10	Spotted Towhee	5
Varied Thrush	1	Savannah Sparrow	1
Ruby-c. Kinglet	6	Oregon Junco	2
Pipit	25	White-c. Sparrow	10
Calif. Shrike	2	Golden- " "	15
		Song Sparrow.	2

+ Some unidentified goldfinches and immature gulls. A teal was seen in flight. It had a small amount of light in the wing where this is found on ~~the~~ Querquedula and a few light feathers between the eye and the bill. It might have been an immature ♂ Blue-w. Teal but I couldn't be sure even though I saw it very well.

Several pools near Stocton as well as some by the road west of Stocton were

2420 Channing Way, Berkeley, Alameda Co., Calif
January 21, 1942

Y.N.S. Trip to Stockton, Jan. 18, 1942.

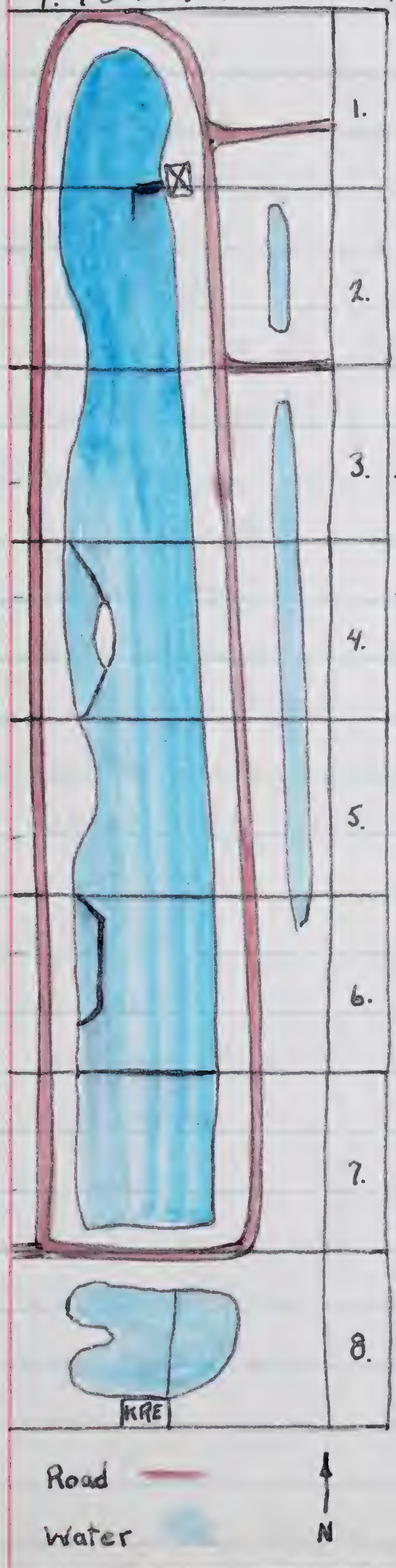
covered with Azolla which was colored a bright purplish red. (Collected some.)

We saw the Biology Dept. of the College and were taken to an embankment just north of the campus where a Eumeces was taken several weeks previously under a piece of concrete. The specimen was given To Tom Rodgers.

On the way back to Berkeley we stopped at a sandstone mine just east of the coast ranges (E of Clayton) where we looked for bats without success; But did see two Barn owls and Herm. found a Reithrodontomys under a board. Returned to Berkeley about 7PM.

Notes kept on form given to me by Jack Arnold.

Jan. 31 Aquatic Park, Berkeley, Alameda Co., California
1:40 PM to 3:40 PM. (Data Sent to the Nichols's)



Divided the parks into eight sections according to the map. ie. 1. = north of the boathouse, 2. = the boathouse to Bancroft Way, 3. = Bancroft Way to the north end of the boom, 4. = opposite the boom and the Island, 5. = from the south end of the boom to the north end of margin of the new fill, 6, = there to the walks on the north side of the small boat pond, 7. = there to the road across the end of the pond, and 8. = south of the road (K.R.E. Pond.) This is used in future tabulations of the birds seen at the parks.

On this date the weather was cloudy, and the KRE Pond was very high & hence had no shorebirds or gulls on the point as usual.

Jan. 31 Berkeley Aquatic Park, Berkeley, Alameda Co., Calif.

The birds seen on this date were:

Species	1.	2.	3.	4.	5.	6.	7.	8
Eared Grebe		2	1					
Horned "	1	1						
Pied-bill "			2			2		
Great Blue Heron				1				
American Egret				1				
Mallard								3
Canvasback			27	26	30	14		
Lesser Scaup			29	87	69	48		33
Goldeneye		9	12		11	6		2
White-w. Scoter			1		2	1		
Ruddy Duck	1		16	8	64	23	2	8
Red-br. Merganser				1				
Coot				1		11		2
Killdeer		1		1				
Willett			11	4				
Western Gull			1			3		
Glaucous-w. "				2	3	1		
Herring "				1		1		
California "		2						
Short-billed "		1		1				
Bonaparte's "				1				
Forster's Tern		1	2	5	2	2	1	
Am. Pipit					2			
Audubon Warbler						3	2	

Jan 31. Berkeley Aquatic Parks, Berkeley, Alameda Co., Calif.

Birds seen con't'd

Species	1.	2.	3.	4.	5.	6.	7.	8.
Meadowlark		4						
House Finch	12	3	2			1		
Savannah Sparrow						1		
White-crown "	9					1		
Song "						2	3	

Feb. 8 Berkeley Aquatic Parks, Berkeley, Alameda Co., Calif.

By car, 4-4:15 PM Clear warm. with Ralph & Roland Miller, Jack Culbreath etal. Boats out on Pond.

Birds seen were: By Sections

Species	1.	2.	3.	4.
Red-th. Loon	1			
Eared Grebe			1	
Pied-bill "				2
Lesser Scaup				Sol.
Goldeneye			3	
Ruddy			1	
Killdeer				2
Willett				4
Western Gull			1	6
Glaucous-w "	1			
Bonaparte "			1	

Feb. 7 Strawberry Canyon, Berkeley, Alameda Co, Calif.

Went to breeding grounds of the Lutescent Warbler up Canyon Drive in the wet Chaparral above and south of the old swimming pool. In the wet chaparral and live oak area's from 11:40 AM to 12:15 PM. Mostly clear at start rained from 12:05—. Even before it clouded up, there was so much humidity that I could see my breath (as though it were cold) Trillium and Ribes were both in bloom, but I found no Allen's Hummers or Lutescent. Warblers. In the live oaks there was the largest flock of bush-tits I have seen to date—at least 75. Other birds in the area were.

Varied Thrush	4	Ruby-c. Kinglet	3
Plain Tit	2	Black Phoebe	1
Spotted Towhee	4	Bewick Wren	2
Wren tit	5	Winter Wren	1
Calif. Jay	2.		

RWStorer
1942

Strawberry Canyon, Berkeley, Alameda Co., California
February 14, 1942

8:00 AM (war Time) to 10:30 AM. Clear cold (ice on puddles in road in Hamilton gulch. With Herman Schwartz. A week of clear weather has dried things considerably and the creek is now almost clear. Went up canyon Drive to the Intercentennial Territory on the slope south of the swimming pool. No Intercents but Allen Hummer 1♂ Flicker 1
Bush Tit 35 + Varied Thrush 6+
Wren Tit 2 Cal Quail 6 Spotted Towhee 8
Plain Tit 1 Fox Sparrow 2
Townsend Warbler 1 Ruby C. Kinglet 4
Robin 2 Calif. Jay 2
Anna Hummer 1♂ Pipit 2 (flying over)
were present in the area from Canyon Drive on. Took path up the hillside through a spruce grove (Golden C. Kinglet 2) to the top of panoramic Way and around Hamilton Gulch to Dwight Way Hill + back the upper road, Down the hill and on the road which goes around the canyon to Canyon Drive. Saw some castellija's which were yellow instead of red. (Same species).

RWStorer
1942

Strawberry Canyon, Berkeley, Alameda Co., Calif.
February 22, 1942

10:30 - 11:15 AM. Canyon Drive and the Lutescent Warbler Territory in the wet chaparral & live oaks south and uphill from the old swimming pool. Clear and cool. Aside from a little rain during the last two days the weather has been clear for over two weeks. The North-facing slope of the canyon is still quite wet. No Lutescent Warblers, but the following birds were present.

Red-tail Hawk	1	Bewick's Wren	1
Anna Hummer	2	Robin	8
Allen's "	1	Varied Thrush	4
Flicker	1	Hermit "	3
Downy Woodpecker	1	Ruby-c. Kinglet	5
Black Phoebe	1	Gruen-c. Golden "	5
Calif. Jay	2	Brown Towhee	2
Bush-tit	20	Spotted "	12
Wren-tit	3	Fox Sparrow	2
		Song "	3

Picked up tail feathers & primaries of Spotted Towhee in the path.

RWStoner
1942

Strawberry Canyon, Berkeley, Alameda Co., Calif.

February 27, 1942

With Tom Rodgers & Walt Dalquest, set out 150 traps (50 ea.) in Artemisia californica on Southwest slope of Grizzly peak from road (which leads around the canyon from the top of the hill above Panoramic way) to near the large rocks just below Grizzly Peak blvd about ½ mi. SSW the peak itself. The following catches were made:

Species	Feb. 27	Feb. 28	Mar 1	Mar 2 *
Sorex ornatus	1 TR	—	—	—
Sorex trowbridgii	1 RWS	—	—	1
Perognathus calif.	1 WD	—	—	2
Microtus calif.	14	3	5	6
Peromyscus maniculatus	1 RWS	—	—	1
Reithrodontomys megalotis	—	1 TR	—	—
Zonotrichia leucophrys	—	—	2 WD	1
" coronata	—	1 WD	—	1
Passerella lincolni	—	1 TR	—	—
Chamea fasciata.	1 F.H.	—	—	34
Passerella melodia	—	—	—	1
Pipilo maculata	—	—	—	2
Thryomanes bewicki.	—	—	—	2

* oatmeal used 1st 3 nights. Peanut butter & walnuts added Mar 2.

RW Storer
1942

Strawberry Canyon, Berkeley, Alameda Co., Calif.

March 1, 1942

After visiting our traps early in the AM (7:30-8:00) Walt & Peg Dalquest & I went along the top of the ridges which form the E & S borders of the canyon and collected "herps." Besides several Fiturus and many Anerides lugubris & Batrachoseps which we did not collect, we got 11 Sceloporus occid., 14 Eumeces skiltonianus, 3 Gerrhonotus multicarinatus, 2 Diadophis amabilis, 1 Contia tenuis, 1 young Coluber c. mormon, 1 young Pituophis, and one Eusatirna eschscholtzii. Saw two Band-tailed Pigeons and a pair of Sharp-shinned Hawks which are usually present near the trap line. Some Brodeas and Calif. Poppies were in bloom as well as the first Zygadenus. A few butterflies, notably a Papilio (asterias group) and a large blue were on the wing. Clear and warm later in the morning. Returned home about 12:30. Saw one wood rat in a pile of Eucalyptus logs but could not get him because we couldn't move all the logs. A small Gerrhonotus m. was discovered sunning himself on a rock 3+' high. It immediately jumped off and made for the grass in a manner more like a Sceloporus.

RWStorer
1942

Carmel and Vicinity, Monterey Co., Calif.

March 7, 1942

(10:30-2:00 PM.) Left home of Mr. & Mrs. S.O. Williams to look for Alcids about 10:30 AM went to the beach at Carmel and stopped at various points along the seventeen mile drive. At seal Rock we saw harbor seals and both species of Sealion (Eumatopias & Zalophus) and also watched the antics of a colony of Brandt's cormorants (the same one S.O. Williams studied) We then drove along the water front of Pacific Grove as far as the Hopkins marine station where we met the director (Dr Fisher.) The weather was warm and clear, a south wind blowing at the coast and a north east wind at Pacific Grove!) monarch butterflies were flying around almost everywhere. The birds seen were:

Pacific Loon 2	Black Oystercatcher 2
Holboells Grebe 1	Black Turnstone 2
Horned Grebe 1	Surf bird 2
Western Grebe	Sanderling
Baird Cormorant	Glaucous-w. Gull
Brandt Cormorant	Western Gull
White-w. Scoter	Ancient Murelet 1=
Surf Scoter	California Murre 1
Red-br. Merganser	Black Brant 30
Sparrowhawk 1	Anna Hummer

Carmel + Vicinity, Monterey Co., Calif.

March 7, 1942

(10:30-2:00 PM) (cont'd) / Birds seen cont'd / Crow

Allen Hummer — Band-tail Pigeon
Lewis Woodpecker — Calif. Jail
Black Phoebe — Townsend Warbler
Red-b. Blackbird — Meadow Lark
Pigmy Nuthatch — Brewer Blackbird
Bewick Wren — Siskin
Hermit Thrush — Linnet
Ruby-c. Kinglet — Juncos
Hutton Vireo sol. — White-c. Sparrow
Oregon Juncos — Golden " "
Song Sparrow — Fox " "

(4:15-5:45 PM) Point Sobos. Walked along north shore of Point Sobos and around the point to the second point. Saw where the Pigeon Guillemots nest and had very fine looks at Baird Cormorants with their white powder-puffs along the flanks. These cormorants have very green eyes like those of the Mexican Cormorant (olivaceus)! The wind was quite fresh (south) and a few high clouds were forming. The Ceanothus, paint brush, Calif. poppies, Adobe hawk marsh and calling + later was seen motionless in the air near the summit of a high point on the point. This species

Carmel + Vicinity, Monterey Co., Calif. March 7, 1942

4:15 - 5:45 PM (PT) Sobon (conditions)

has been suspected of nesting here but the nest site has never been located. An owl pellet + the remains of a second were found in a grove of Monterey Pines near the gate. They were turned over to Warden Wilson + contained 1 Microtus + 1 rabbit probably Sylvilagus and some arm bones which may have been something else. The pellets were probably those of a Great horned owl.

List of birds seen: Horned Lark 1 singing. Brandt Cormorant 20± Hairy Woodpecker 1
Band " 20± Black Phoebes 2
White-w. Scoter 2 Hermit Thrush 1
Surf " 1 Bushtit 6+ (Winter Wren)
Red-tailed Hawk 1 Wrentit 4+
Duck " 1 House Finch 15+
Oystercatcher (Black) 3 White-c. Sparrow 10+
Western Gull Sev. Junco. 2

On the return trip we saw ♂ Red-br. Merganser with a ♀ American Merganser (hybridogeny!) + a small flock of robins.

Carmel, Monterey Co., Calif.
March 7-8, 1942

There were several things of interest around the home of Mr & Mrs J. O. Wilkins. Chestnut-b. Chickadees were building in a box in the front yard. The nest seemed about completed but no eggs were laid. The ♀ roosted in the box on the 8th. A pair of junco's were building a nest under the eves of the garage and built most of the outer part of the nest during the two days I was present. Near by was the nest of a Western Flycatcher and also one of a Brown Creeper (both those of ~~last~~ earlier years.) The creepers nest was in a crevice in the wall of the house which is covered with split redwood logs.

Several Band-tailed Pigeons were seen to light in the yard and take food from the small pen in which a pair of Muscovy ducks were kept. A flock of Golden-crowned Sparrows was usually around the yard and often came to a feeding station outside the window. As the house is in the pine woods, there are no white-crown Sparrows.

Carmel to the Big Sur, Vicinity, Monterey Co., Calif.

March 8, 1942

11 AM to 5:30 PM. with Mr & Mrs. S. O. William + Alice William. Left Carmel about 11 AM and drove to the Big Sur River stopping at various places en route to listen to the White-crown Sparrows whose songs were heard from point to point. At the Big Sur (The grassy field near the point) stopped to listen for grasshopper sparrows which S.O.W. says nest there but it was apparently too early in the year for them. We drove up the highway (#1) beyond the river to the home of Mrs S.C. Porter where we left Mrs W. + Alice + went down the coast to look for sea otters which we found (see special account.) I was surprised to see three great blue herons ~~sitting~~ resting or foraging on the kelp quite a way out from shore. There were also numerous sea lions to be seen, mostly lolling about on the surface of the water.

This is a country of steep, rocky mountains covered with chaparral (Artemisia is common) and deep redwood canyons. The highway crosses one of these canyons where you can lookout over the tops of the redwoods perhaps 2-300' high. A pair of bald eagles nested here (according to Saidlaw Williams) until about 1935.

Carmel to the Big Sur River & Vicinity, Monterey Co., Calif.

March 8, 1942 (cont'd)

The weather was partly foggy with a south wind and was fairly cold. Birds seen in the Big Sur region were:

Brand Cormorant 6+	Black Phoebe
Scoter (sp?) 1	Robin
Turkey Vulture 8	Linnet
Golden Eagle 1	White-c. Sparrow
Red-tail Hawk 1	Song "
Sparrow Hawk 5	Brewer blackbird 100
Calif. Quail 10 (dustbathing)	Wren-tit
Western Gull 10	Calif. Thrasher
Great Blue Heron 3-4	Bewick Wren
Steller's Jay sev.	Spotted Towhee

Most conspicuous flowers were ceanothus + Lupigadenus. Some Eschscholtzia, Lupine, Columbine, + other flowers were also in bloom.

Saidlar says that there are Canyon Wrens and Dippers in the gorge of the Big Sur River which can be seen from the road.

March 22 Strawberry Canyon, Berkeley, Alameda Co, Calif.

To wet chaparral on W. facing slope above Swimming pool opposite Poultry lab. 7:15 - 8:45 AM. with Katherine Johnson. Cool, High fog which began to burn off as we left. Spent most of the time in observation point, clearing in old road above (s) of the continuation of Canyon drive and about opposite the poultry lab.

Birds present from beginning of canyon Drive were:

Flicker	2	Hermit Thrush	1
Allen's Hummer	2	Ruby c. Kinglet	4
Anna's "	4	Orange c. Warbler	5's
California Jay	2	Wilson's "	1 s
Bush tit	20	Brown Towhee	2
Wren tit	2	Spotted "	6
Bewick Wren	3	Song Sparrow	
Calif. Quail.	10		

Watched hummers later in the morning near the Life Sciences Bldg on the campus and also saw a Russet-backed Thrush by the creek nearby.

Berkeley to Big Sur, Monterey Co., Calif.

April 24 Left Berkeley with Edgar + Arthur Smith, Frank Pitelka, Walt Dalquest, Quentin Tomich, + Sherburne Cook, jr about 4:45 PM. Stopped for supper in San Jose and reached the State park at Big Sur about 10:30 PM. Where were met by Warden Kenyon who showed us to our camps and lighted a camp fire for us. We stayed around the fire until about 12 when we retired. The night sounds around camp were few. Occasionally a Western Flycatcher called + also Hyla regilla. The camp is situated in a grove of Tanbark oak, Laurel and small Redwoods by a small, grassy meadow 100 yds or more south of the Big Sur River.

April 25 Awakened at 7 AM by a screech from a Stellers Jay. After breakfast went up the river about a mile, and had a swim. Saidlaw Williams arrived about 10:30 AM and we left to look for sea otters. We drove south on Route 1 to Anderson Creek. Seeing Sea Otters at 4 points (see Species accounts) Among the birds seen along the coast were, Brandt Cormorant, Turkey Vulture, Western Gull, Black Oystercatcher, White-th. Swift 2 (very close); Violet-Green Swallow, Corvus sp?, Wren tit, Cal. Thrasher, White-c. Sparrow, Song Sparrow, Sooty Bunting & Hermit Thrush (1 singing on road in N-facing slope of Big Sur Valley.).
Weather. Clear the whole time we were there but fairly cold - especially the second night.

Big Sur & Vicinity, Monterey County, California.

Apr 25 Returned to camp in the park about 2 PM, lunched and then walked up the river to the gorge climbed up the hill on the south side of the gorge where we found Selaginella, Cheilanthes californica, Yucca whipplei. Besides the usual common ferns & found Polystichum munitum or a very similar form. We saw signs of mole & coon and saw or caught Thomomys, sorex trowbridgii, Peromyscus maniculatus, P. californicus, Red, gray & ground squirrels, and deer. The herps found nearby were Eumeces, Batrachoseps, Hyla, Rana boylii, King snake (getulus), Striped Racer, Garter snake, Diadophis, Gerrhonotus m., Eumeces s., and Sceloporus o. Lupines were conspicuous and at least 8 species were present including an herbaceous one with a light magenta heel and yellow wings L. stiversi. There were large alders along the river, a belt of oaks on the south-facing slope and above this large hills covered with a green chaparral which as far as we could tell contained largely Baccharis and Artemesia. (No Adenostoma.) On the river near camp I saw a ♀ merganser probably an American but I did not get a good look at her. Heard a great horned owl in the morning and retired about 11:30.

Big Sur to Carmel via Pt. Sobos, Monterey Co., Calif.

Apr. 26 Birded after breakfast and returned to camp about 10:30. Left camp about 11 AM for home. The birds seen in the valley of the Big Sur River were as follows: Green Heron, merganser(sp?), Turkey Vulture, Red-tail Hawk, Calif. Quail, mourning Dove, Great Horned owl, Allens Hummingbird, Anna Hummer, Belted Kingfisher, Flicker, Calif. Woodpecker, Hairy Woodpecker, Olive-sided Flycatcher, Wn. Wood Pewee, Wn. Kingbird, Black Phoebe, Wn. Flycatcher, Violet-green Swallows, Purple Martin, Steller's Jay, Chestnut-backed chickadee, Bush tit, wren tit, Brown Creeper, Bewicks Wren, House wren, Winter wren (in song), Dipper, Robin, Russet-b. Thrush, Hermit Thrush, Gnatcatcher, Hutton Vireo, Cassins Vireo, Warbling Vireo, Pileolated warbler, Lutescent Warbler, Black-th. Gray Warbler, Audubon Warbler, Hermit Warbler, Bullocks oriole, Western Tanager, Black-headed Grosbeak, Lazuli Bunting, Purple Finch, Linnet, Brown towhee, Spotted Towhee, Junco, Lincoln Sparrow.

After leaving Big Sur, we drove north along the coast highway, stopping by the grassy fields on the coast near point sur where we saw and heard several grasshopper sparrows. Here were also crows, Sage and Savannah Sparrows, Cliff Swallows, Meadowlarks. The next stop was Hurricane Point, the high point just north of the Little Sur River. On a rock not far of the point was a resting

Big Sur to Carmel via Pt. Lobos, Monterey Co., California

apr 26. colony of Murres and Brandt Cormorants. Here we also saw Calif. Thrasher, White-c. Sparrow, and a pair of Duck Hawks. Also seen between Big Sur and Pt. Lobos were Brown Pelican, Hudsonian Curlew, Wn. Gull, Brewer Blackbird, and Am. Goldfinch. Arrived at Pt. Lobos about noon and stayed until 2:30PM, lunching on the south shore and visiting Sandy Beach, the Cypress Grove and the point on the ~~east~~ north end of the East grove where we failed to see guillemots. The birds seen at Lobos included: Violet-green Swallow, Wren-tit, Junco, Red-tailed Hawk, White-th. Swift, Brown Pelican, Baird Cormorant, Scoter (probably surf.), Sparrow Hawk, Black Oystercatcher, Semipal. Plover, Black Turnstone, Hudsonian Curlew, willet, Wn. Sandpiper, Wn. Gull, Bonaparte's Gull, Allen's Hummer, Cliff Swallow, Calif. Jay, Pigmy Nuthatch, Meadowlark, & White-c. Sparrow. I was left at the home of Saidee Williams in Carmel at 3PM while the rest of the party returned to Berkeley.

RWStorer
1942

Point Sobos State Park Monterey Co., California

April 27

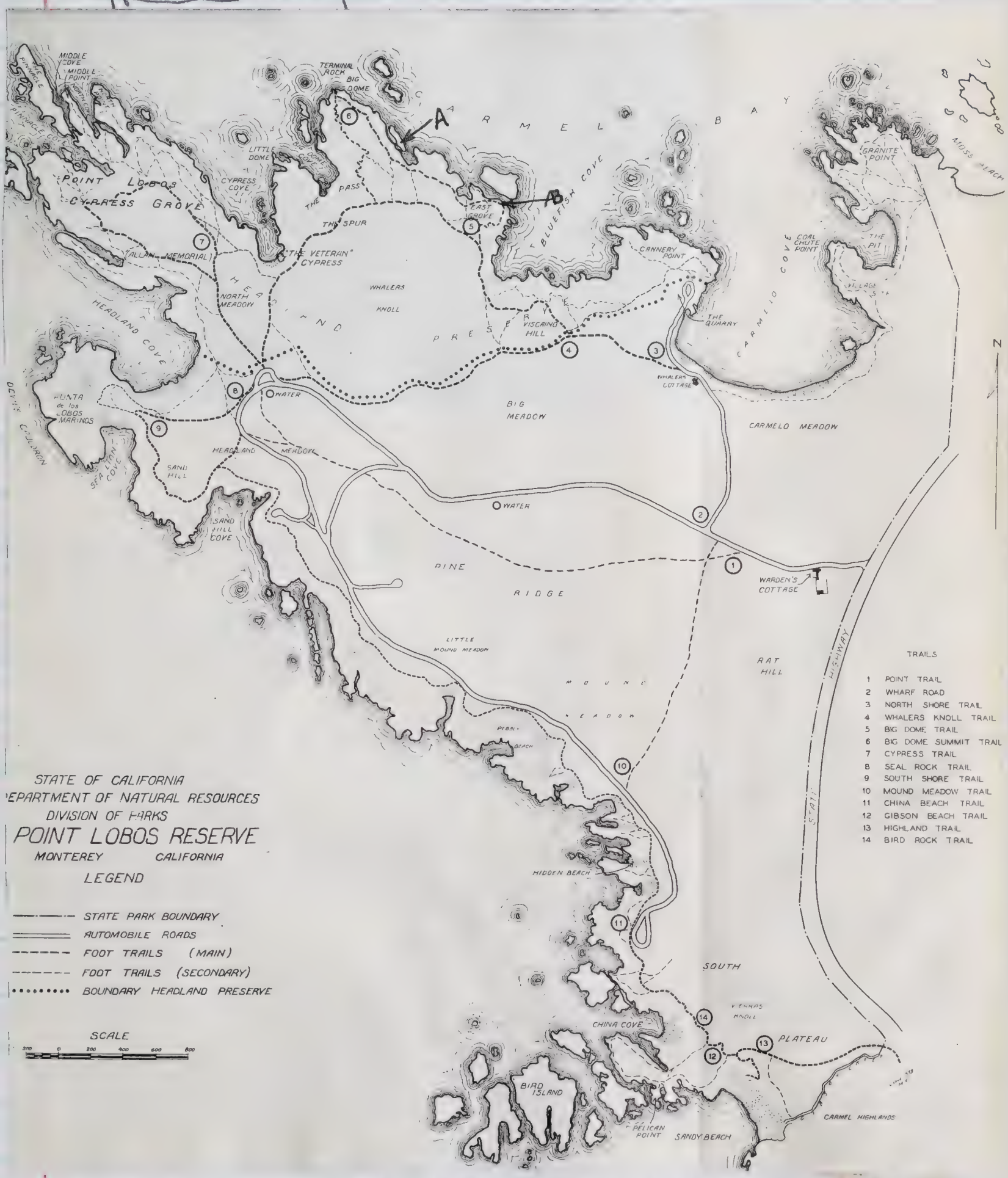
Arrived at park about 10 AM. Cool and overcast with an occasional drizzle (condensed fog) walked around Whaler's Cove and came to ~~East~~ North end of East Shore, where I watched Pigeon Guillemots on island 50' off shore to the North. Other birds on the point and island were, Baird Cormorant 30, Western Gull 20, House Finch 2, Anna Hummingbird 1 ♀ (probably with nest nearby) & Surf Scoter adᵒ 1, Left there about 1:30 PM climbed down to the water's edge on the west side of Bluefish Cove where I saw a Wandering Tatler. Then climbed Big Dome and finally went out to Punta de los Sobos Marinos where I saw a black oystercatcher. It started to rain with a fine, steady rain about 3, so I returned to the gatehouse. Other birds seen in the park were Wren-tit, Bush-tit, Allen Hummer, White-c. Sparrow, Junco Western Flycatcher, Cliff Swallow, Meadowlark, and Calif. Jeail. Saw Steller-sea lion, Eumetopias stelleri, and signs of, Mole, Gopher, & Kinosternus also a Lenhorostus which I think was coerulens. The following flowers were blooming in large numbers, Sisyrinchium, Sidalcea, Calif Poppy, Lupines, Mustard, Shoot Primrose, Statice, a Callichortus, Castilleja, & many others. Pteridophytes

Rawstone
1942

Point Lobos State Park, Monterey Co., California

April 21.

are rather few, I noted Gymnogramme, Pteris, & Polypodium only.



A = rocks used by guillemots photographed by Mr Gibb.

AB = observation point at N end of East Grove where most of the notes on the guillemots were taken.

RWStorer
1942

Point Sobos, Monterey Co, Calif.

April 27

crevice where Pigeon
Guillemots were apparently
nesting see p. 10 in
the species account
East end of Island of 6 East Stone

Point Lobos, Monterey Co., California

April 28 Arrived at park about 9:15 AM going straight to observation point at N end of East Grove. Rain at start but cleared about 10. Fairly strong W wind blowing but sun warm, surf higher than yesterday. Watched guillemots, joined by Saidlaw Williams about noon and left park about 1 PM after stopping in the pine woods near the road South of East grove. Birds seen in the park during this time were besides those seen yesterday, Green-backed and Lawrences Goldfinches (the last seen and heard very well), Wn. Bluebird, Cal. Thrasher, House Wren Pigmy Nuthatch, Hutton Vireo, Red-sh. Flicker, Tree Swallow White-thr. Swift, Violet Green Swallow, Pileolated Warbler, Turkey Vulture, Red-t. Hawk, and Brown Creeper. Also saw gray Squirrel. Between Point Lobos Park and Carmel we saw Linnet, Barn, Tree and Rough-winged Swallows, Great Blue Heron, Loon sp.?, and Killdeer.

Carmel, Monterey Co., Calif.

The following were seen around the Williams' home (cor. Third ave & Monteverde) Golden C. Sparrow, Wn. Flycatcher, Olive-S. Flycatcher, Junco (2 broods out of the nest), Band-t. Pigeon (came momentarily to feeding tray by window.), Cal. Quail, Bewicks Wren, Chestnut-b. Chickadee (nest 7 young just hatched in bird box), & Gray Squirrel. Left for Berkeley on 7.55 P.M Bus from Monterey.

Heronry on West Side of Sacramento River, W of Sacramento, Yolo Co., Calif.
May 24, 1942 1PM to 4:PM.
with John Emlen, Francis Evans, Mrs Kelly, Mrs Austin, Kit Johnson et al. The colony is in a grove of trees about 1/4 mile square. I saw 30+ Great Blue Herons, 50+ American Egrets, 10+ Snowy Egrets, and 75+ Black-crowned Night Herons. Most of the birds had about half-grown young in the nests. Also present were a pair of Kites, T. Vulture 2, Cal. Quail, 2, Flicker 2, Pewee 2, Tree Swallow Sol, Crow 20, Cal Jay 3, Plain Titmouse 1, Bewicks Wren 2, Redwing Sol, Black-headed Grosbeak 1, Linnett Sol, Spotted Towhee 2.
Along the causeway between Davis + Sacramento were Forster's tern 2, Coot 2, Burrowing owl 1, Stilt 1.
The beats were covered with a deep yellow composite and a blue flower related to the Lobelias.

Berkeley to Cedar Camp, Kings Canyon, Fresno Co., Calif.
June 1, 1942

Left MV2 at 1:30 PM with Harvey Fisher in the old museum truck and drove to Cedar Camp, Kings Canyon via Tracy, Modesto, & Fresno arriving at 10:30 PM. Day was clear and warm but the Sierras were hidden by mist. Birds seen en route included Double cr. Cormorant, Great blue & green herons, am egret, Vultures, Red-tail & marsh Hawks, killdeer, Spanish Hawk, Black Tern, Wn Kingbird, cliff & Barn Swallows, Cal. Jay, Crow, M. dove, Robin, Shrike, Redwing, brewer blackbird, Meadow lark, Bullock oriole, linnet, House sparrow, Lark Sparrow, Junco, & Black Phoebe.

Cedar Camp, & vicinity, Kings Canyon, Fresno Co., Calif.
June 2 & June 3 to 11 AM. (4600')

went up canyon as far as roaring river, & up trail above camp to about 7500', with field party consisting of Mrs Grinnell, Marie Radon, Jean Rusticle, Ida Dehay, & Josephine Crowley. Birds found were: Golden Eagle, Sparrow Hawk, Sierra Horned, M. Dove, Pigmy & Spotted Owls, White-thr. Swift, Calliope Hummer (nest), Flicker, White-headed & Hairy woodpeckers, Black Phoebe, Western & olive-sided Flycatchers, Wood Pewee, Violet-green swallow, Steller Jay, Mt. Chickadee,

Cedar Camp + vicinity, Kings Canyon, Fresno Co., Calif.

June 2 + 3, 1942

Pigmy + Red-br Nuthatches, Brown Creeper, Dipper, Robin, Hermit Thrush, Blue-headed + warbling Vireos, Hermit, Audubon, Black-th. Gray, Nashville, + pileolated warbler's, Western Tanager, Bl-h Grosbeak, Linnet, clipping Sparrow + fumeo. Also saw Sciopterus gracilis + occidentalis. chickarees, gray squirrels, chipmunks sp? Citellus beecheyi

Left Kings canyon at 11: AM + lunched at Hume Lake where we saw Mt Quail, Cassin Finch, + Cowbird. Went on to General Grant park where we stayed over night at Azalea Camp. In this park we added, Fox + Lincoln Sparrows, Green-t. towhee, Winter wren, Red-br Sapsucker, Tolmie Warbler, Callospermophilus, and Rana boylii also Botrychium silaifolium coll.

June 4, 1942

Left about 6 AM + drove back to Berkeley via Los Baños + Gustine, added. White Pelican, Cinn. Teal, Mallard, Cooper Hawk, Vg. Quail, Burrowing owl, Cal woodpecker, Tree Swallows, Brown Towhee, Pheasant, Pintail, Stilt, Coot, Fulvous Tree Duck, and Yellow-billed magpie. Arrived in Berkeley about 3:30 PM.

Rwstone
1942

Cedar Camp & Vicinity, Kings Canyon, Fresno Co., Calif.
June 2 & 3, 1943.

List of Plants collected by Mrs Grinnell & myself. Identified by the Univ. of Calif. Herbarium

Viola macloskeyi
Delphinium decorum
Fritillaria parviflora
Mimulus whitneyi (?)
Penstemon newberryi
Phlox douglasii

1944
Journal

(more for 1943)

February 13 Berkeley to 2 mi. N Occidental, Sonoma Co., Calif.

Left Berkeley about 9 AM with Walt. Dalquest and drove to Point Richmond where we took the ferry for San Raphael. Saw Harbor Seal & porpoise (probably Phocaena) near the Ferry Slip (Pt. Richmond). Along the road which skirts San Raphael Point we saw three dead Ducks (1 golden-eye, 1 ruddy & one other.) A flock of two or three hundred Canvasback were feeding in the cove - some by tipping up. We drove from San Raphael to Petaluma, Cotati, Sebastopol, Freestone, & Occidental which we went past about 11:30 AM and continued for about three miles where we stopped to hunt Tree Mice (Phenacomys). Weather clear & warm. Hunted Tree mice until 5:30 when we made camp at a deserted summer camp ~~by~~ on the west side of the stream flowing north along the road from Occidental to Monte Rio. I set out 42 museum Special traps - 36 around redwood stumps & logs on the west side of the stream and 6 on the east side in a small, grassy field just s of the camp. (Walnut Bait). Slept under the redwoods & Tan bark oaks in the camp. Heard no spotted owls or others. Moon 3/4 full.

RW Storer
1944

Journal 2.

January 14 2 mi. N. Occidental, Sonoma Co., Calif to Berkeley, Ala. Co.

awoke at 7:30 AM & picked up traps. The 36 under redwood stumps & oaks yielded 6 Peromyscus maniculatus and the 6 in the field - 2 microtus californicus. Walt caught one Sorex townsendii in a tussock of Juncus in a damp spot. He also set steel traps but without success. He saw tracks of coon, mink, & wild cat. Birds were not abundant or conspicuous. We saw Turkey Vulture 3, Red-tailed Hawk 2, Sharp-shin 1, Chestnut-backed Chickadee sev., Creeper 4 (1 singing), Winter Wren 1, Hermit Thrush 2, Varied Thrush 1, Golden-c. Kinglet sev., Hutton Vireo 1 singing, Fox Sparrow 2, & Song Sparrow. We collected Batrachoseps, Ensatina, ~~and~~ Taturus (granulosus?), & ~~Ensatina~~ Aneides lugubris and saw two small sceloporus. The bottom land along the stream and the west slope above it are wooded with Tanbark oak, Redwood, and Douglas fir. On the east slope there was scattered brush with small douglas firs and a good many cypresses. Road cuts showed the basic rock to be serpentine. These hills looked like a good place for Pellaea densa (=Cheilanthes siliquosa) but are owned by the Sonoma chrome company and are well fenced. Along the west slope we found and followed an old railroad bed which

Feb. 14 2mi. N Occidental, Sonoma Co., Calif to Berkeley, Ala. Co.

ran through an old, caved-in tunnel which looked like a good place for bats but as we didn't have flashlights with us at the moment and the wood shoring looked rather rotten we didnot enter. along the side of the road bed was an old cut covered with Polypodium californicum, Selaginella (wallacei?) which I collected, an hepatic which was fruiting heavily, and a fair number of plants of Pellaea andromedifolia and some Gymnogramme. Other pteridophytes in neighborhood of camp included Polystichum munitum, Woodwardia, Dryopteris Arguta, & Pteris. Hunted Phrynosomas until about 10:30 PM when we broke camp and started back to Berkeley via the San Rafael Ferry, arriving about 2:30 PM in Berkeley. Saw 2 Herring Gulls from the ferry.

Addendum. Saw Yellow-shafted Flicker near Sebastopol on the way up (The 13th) saw both the yellow wing linings and red nape as he lit on a fruit tree but we didn't stop.

March 7. Univ. Calif. Campus Berkeley, Alameda Co., Calif.

Between 7:15 and 7:30 P.M. while it was still quite light, I was coming across Oxford St. with Starker Leopold when we saw a bat flying about over the intersection of Oxford St. and the street which winds along the south side of the campus (1 block N Bancroft Way). The bat looked large and broad-winged to me & small to Starker. I guessed Antrozous, he - Pipistrellus or Myotis. At any rate we were both certain it was not Tadarida. It was quite a warm evening - the first for the year I think - and the first bat I had seen out this spring. As we approached the SW corner of the Life Sciences Building we saw another bat. All of this proves nothing except that we both need a lot more practice in identifying bats on the wing.

Aug. 5. Berkeley, Alameda Co., to 1mi N. Paicines, San Benito Co., Calif.

Left Berkeley with Dr. Miller by truck at 5:15 PM (after work) and proceeded to San Jose by way of Alvarado. Saw two marsh hawks en route - a ♀ ~~and~~ young near Alvarado & a ♂ near Milpitas. arrived in San Jose about 6:45 and had dinner there after which we drove to Gilroy & thence to about one mile N Paicines where we camped for the night near a stream bordered with willows. Heard a Barn owl before falling asleep.

Aug. 6. 1mi N. Paicines to 1mi. SE San Benito Peak, 4400', San Benito Co., Calif.

~~Got up~~ arose about 6 AM, had breakfast & saw the following birds. Prairie (most conspicuous - calling every where); Black Phoebe, 1; Belted Kingfisher, 1; Ash-th. Flycatcher, 1; Bewick Wren; Wrentit; & yellow Warbler. Heard wood rats in the trees at night. Azolla grew in the brook with Lemna in backwaters where the water was still. Left camp about 6:45 AM & Drove up the San Benito River Valley which is farmed & grazed. Birds were numerous. Saw at least one flock of Redwings, many Brewer Blackbirds, linnets, & assorted sparrows (inc. white-crown); and scattered Shrikes & sparrowhawks. At the upper end of this Valley the road followed San Lorenzo Creek up the ridge & then went down into the Hernandez Valley. The ridge was covered with chaparral & scattered Digger Pines and Calif. Quail were particularly numerous many groups with young. We followed the road up Clear Creek & on to the reservoir 1 1/2 mi N San Carlos Peak & then went South to camp 1 mi SE San Benito Peak. The country Between Hernandez & camp was characterized by large ~~rolling~~ rounded hills &

Aug 6. 1 mi SE San Benito Peak, 4400', San Benito Co, Calif

ridges of disintegrated serpentine varying in color from gray-green to light reddish (evidently due to the amount of chemical disintegration & oxidation to Fe_2O_3). Vast areas were bare of vegetation but here & there were solitary digger pines & less commonly coulter pines & incense cedars. Where these trees were thicker as down in the lower parts of the ridges there was some chaparral - largely manzanita. The road follows a small stream (which had water in it) in which grew a very graceful Castilleja, Columbine, and a large yellow flower with 5 petals, many stamens, one Pistil & an inferior ovary. We camped about 200 yards off the road along a small, running stream which runs west between San Benito Peak & Sta. Rita peak. The stream, although small appears to be a permanent one and has a small willow 1 to 2 feet high, the castilleja & columbine mentioned before and Pansania (?) a small Zygadenus, Yarrow, and some grasses. Around camp is a mixed growth of Digger & Coulter Pines and Incense cedars with scattered manzanita bushes on the hillsides and Chrysothamnus on the flat. There is also some Rhamnus, Yerba santa, & scrub oak growth. The hills to the North & East are of the bare disintegrated serpentine described before and on the south the hills are more densely wooded & contain more scrub oak chaparral. We arrived in camp about 10:45 AM and set up camp & ate lunch.

Aug 6. 1 mi SE San Benito Peak, 9400', San Benito Co., Calif.

After this we took our guns and started down stream & worked the North slopes of Santa Rita Peak to about 4800'. This is principally a heavy growth of scrub oak with a few small scattered pines and some Manzanita. Also noted a little poison oak and adenostoma (both rare). The two most abundant birds were Gnatcatchers and Western Bluebirds. I also saw or heard several Spotted towhees, Wn. Flycatcher, orange-crown & Black-throated gray warblers, Chipmunks (Heather & Calif' Jays) were to be seen or heard all over this area and I saw one or two woodrat nests in the dense chaparral. Returned about 4:30 skinned, ate, and went for a walk N. along the road ~~for~~ after dark. Heard one great horned owl hoot mournfully. Retired about 9:30 PM.

Aug 7. Got up at 5:45 & after breakfast started north along the road & then turned west (after about half a mile) & went up to the top of the ridge following the line between some burned over country & unburned & followed the ridge North to the Summit of San Benito Peak. Saw a large Cooper Hawk on the way up to the top of the ridge there was a flock of 25 or 30 Juncos near the road. The ridge is covered with a low growth (3-5 feet) of Scrub oaks with a few scattered pines, an occasional Bluebird or gnatcatcher were about the only birds around. Toward the summit there were several good-sized rock outcroppings which

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1944

Journal. 4.10

1 mi. SE San Benito Peak, 4400', San Benito Co., Calif.

Aug. 7. were almost bare having a few small lichens & rocktrips but were otherwise uninteristing botanically - no Selaginella or Ferns. On a mass of rock at the summit I collected a rock wren. Other birds at the summit included Bewick Wren, Gnatcatcher, a Selasphorus hummer, & two mourning doves and the omnipresent Chipmunks. Two plain titmouses were calling down the slope about 50 yards. The plants at the summit were the dominant Scrub oak, scattered Coulter pines, and a few bushes of Yerba Santa, Manzanita & Ceanothus. Went down the north slope which had more Coulter Pines - rather thick with an almost solid chaparral of scrub oak & ceanothus & manzanita. Saw several wood rat nests here & collected Thrasher & orange-crown warbler. Also saw cal Jay, house wren, Plain tit & Black-throated gray warbler. ~~followed~~ Turned east & crossed a gully & went along the side of a ridge down to the road where I collected a second orange-crown warbler & saw a party of bush tits & more plain tits. Hit the road about at its fork and followed it back to camp (2.5 mi.) on the way back saw 3 hot rats a purple finch (in a group of 4 or 5) and mixed. arrived 11:45 AM. ate lunch & skinned. In the late afternoon set 40 mouse traps down the stream (20 museum specials & 20 ~~mice~~ ordinary house mouse traps)

Aug 7. 1 mi SE San Benito Peak, 4400', San Benito Co., Calif

I baited these with walnut. Also set 10 museum specials along the disentegrated serpentine to the north of camp - these were baited with oatmeal. After supper went South along the road a way after owls or poorwills but saw or heard none. Did see several bats - large (Eptesicus?) & small (Myotis or Pipistrellus). Retired about 9 PM.

Aug 8. Arose 5:45 AM had breakfast & ran trap lines - one by stream yielded 6 Peromyscus maniculatus & one Sorex. The line on the hill yielded one Dipodomys elephantinus. Skinned mammals & cooper hawk (collected down the stream while setting mouse traps the night before) and a white breasted nuthatch which drifted into camp while I was skinning. In the afternoon ~~took~~ took gun & two sets of gopher traps down the stream. Made two gopher sets in fresh diggings near upper end of trap line & continued down stream. Bathed in a small hole in the stream by a small meadow (closely grazed) & continued down stream for half a mile or so saw a dozen or more hummers & collected a Wilson Warbler & Junco and several plants including Ferrocactus, Castilleja, Salix, grass, Zygadenus & Brodiaea ixioides (or something similar) The latter growing under pines at camp & the others by the stream in wet places.

Preston
1949.

1 mi. SE San Benito Peak, 4400', San Benito Co., Calif.

Aug 8. after dinner, set mouse traps in stream & added 20 more house-mouse type for shrews. Then set 30 museum Specials up the hill for Dipos. (Same baits as previous night). Dr Miller collected a Screech owl down the road (North) a short distance from camp and the large bats - 2 or 3 of them were conspicuous between camp & the road as they flew over the meadow. Once ~~two~~ one chased another with much squeaking - a rather loud grating sound for a bat. Heard mouse trap go off about 9 PM & investigating found another shrew. retired shortly thereafter.

Aug 9. arose 5:45 & after breakfast ran trap lines. 1 gopher in gopher set and one Peromyscus maniculatus (young) in sets by stream. Dipo sets yielded nothing so I took them in. Skinned shrew and drove with Dr Miller to a point about 1 mi NE San Benito Peak where Dr Miller found a concentration of Bell sparrows on the 7th. The ridge ran east & then south and had a very different aspect from the hills around camp. The basic rock seemed to be an argillaceous sandstone & the soil fine & sandy. The original growth ~~was~~ was a tall chaparral - perhaps 10 feet high but the south & west facing slopes had been burned over one or two years ago. The chaparral

RWStorer
1944

Journal. #13

1 mi SE San Benito Peak, 4400, San Benito Co., Calif.

Aug 9. was coming up again - Adenostoma, Fremontia, manzanita, Scrub oaks, & Mt. mohogany underneath the charred trunks & branches grew grass, a fumitory (collected), Echinocystis, Prickly Poppy, and a great deal of Yerba Santa. The ridge top & N & E exposures were covered with a dense, high chaparral - mostly scrub oak & mt. mohogany, along the top I collected a red Delphinium & saw Penstemon (small blue flowers). at the south end, the ridge was rocky and supported a more varied plant association with Yucca (which grew also on the W slope) Zauschneria, ~~plt~~ Pellaea mucronata (found only one plant & which was too dry & brittle to save). There was also a tall red & spiked flower past blooming & red thistles which seemed to attract Selasphorus hummers. Here all the Selasphorus were occidentalis rather than graceus Dipo workings were all around the ridge espicially near the top and chipmunks were also present although less numerous than in the manzanita near camp. There was a flat a good way down the west slope where there was a concentration of Bell sparrows. This flat was ~~[illegible]~~ sandy & supported a scattered growth of large Mt mahogany & Scrub oak with a scattering of Pines & live oaks. There were also a few Bell sparrows scattered

Rustover
1944

1 mi SE San Benito Peak, 4400', San Benito Co., Calif.

Aug 9. along the south slope. Other birds seen in the area were: Turkey Vulture, 1; Redtail hawk, 2; Golden eagle ♀, 1; Cal. Quail, 1; Mourning Dove, sev; White-throated Swift, Flicker, Ash-thr. flycatcher, Cal. Jay; Plain tit, Bush tit, Wrentit, Bewick's Wren, House wren, Thrasher, Bluebird, Gnatcatcher, Black-headed Grosbeak, Lawrence's Goldfinch, Linnet, & Junco. Dr Miller also saw Rufous-crown Sparrows. Came ~~back~~ back to camp about noon & skinned in the afternoon. In the evening ebaited traps in the stream bottom with a mixture of Peanut butter & oat meal. ate 2 Dipos ~~wba~~ & 5 screech owl which Dr Miller had collected. The former very good & tender with not a very strong taste, the owl was dark meat & rather tough but had a good, gamy flavor. Retired about 9 PM.

Aug 10. Got up about usual time - watch had stopped so I set it at 5:45 which proved to be nearly correct. After Breakfast, ran trap line - found 2 Peromyscus fraesi & 1 P. maniculatus the former under chaparral shrubs about 5 feet above the stream bottom (meadow) and the latter in the meadow proper. Returned to camp & got gun, etc. & started off down stream to collect birds. Went down about three miles. Soil & Vegetation changed very little as I went down. (some scrub golden oak was found) & Parnassia

RWStorer
1944

1 mi SE San Benito Peak, 4400', San Benito Co., Calif.

Augl0 grew as far as I went although it was less common. Collected Hermit warbler, Pewee, spotted Towhee, white-breasted Nuthatch, & two Solitary Vireos, and picked up a small owls feather for identification. Also saw Red-tail Hawk, Mourning Dove, Selasphorus hummers, Flicker, Nuttall Woodpecker, Wn. Flycatcher, Cal. Jay, Plain titmouse, Bush tit (saw an abandoned nest about 5' up in a 7' manzanita), House wren, Bewick wren, Wren tit, Thrasher, Bluebird, Gnatcatcher, Black-throated Gray warbler (a family Party), Green-backed ~~Towhee, &~~ Goldfinch & Junco. Returned about 11:30 & bathed, ate & skinned most of the afternoon. In the evening rebaited the 20 mouse traps in the stream bed nearest camp & added ten more (baited all with walnut. In the evening went after bats. Retired 9 PM.

Augll. arose usual hour. one sorex in traps & front foot of a peromyscus. Skinned shrew and set out with Dr Miller to point about a mile NE of camp where he found Bell Sparrows on the 10th. The spot was a burned over ridge much like the one visited on the ninth - adenostoma and nut mahogany & scrub oak burned over & coming up at the roots - again a good growth of Yerba santa & fumitory, Prickly poppy, & other herbs. also a sprinkling of Poison oak & Yucca occured on the south-facing slope. The Bell sparrows were in

Aug 11. 1 mi SE San Benito Peak, 4400', San Benito Co., Calif.

Scattered groups - some mixed with Juncos. The birds were on a rather steep slope which soon ran into a steep canyon heavily grown with fair sized oaks - steller jays were heard calling there. An olive-sided flycatcher was "flycatching" from the top of a tall dead tree on the ridge and hummers (Selasphorus and Annas) were active around red thistles. An adult sharp-shin hawk flew low over the ridge. As with the other place where Bell sparrows occurred, the species of Scelaporus was occidentalis & the soil probably derived from argillaceous sandstone. Collected 3 Bell Sparrows, one Juvenal Chippy, & a Junco. Came back by road & saw a Turkey Vulture & flock of Purple Finches & collected a Wrn. Flycatcher & Scelaporus graciosus. Saw Pewee & anna hummer near camp. Bathed ate lunch & skinned till 5 went out & collected a Juvenal Lark Sparrow in the meadow near camp & also another Scelaporus & a batch of Tadpoles in the stream. After supper collected the two species of Manzanita around camp and also scrub oak (from two nearby plants, Ceanothus, Oregon Grape, Mentzelia, etc. Retired without setting Traps.

Aug. 12. arose 5:45 broke camp & got away about 8:30 AM. Decided to take shortcut down mt. shown on Shell map in order to save gasoline which

Aug 6-12. 1mi SE San Benito Peak, 4400', San Benito Co., Calif.

1. Turkey Vulture. ~~Seen~~ 1 seen 1mi NE San Benito Peak, & 1 seen from Road near camp.
2. Red-tail Hawks. Pair seen 1mi NE San Benito Peak. 1 seen over camp.
3. Cooper Hawks. 1 coll. near camp & 1 seen on E slope San Benito Peak.
4. Sharp-shin Hawk. 1 seen 1mi E San Benito Peak on Aug 11. Sml. indet. Accipiters also seen.
5. Golden Eagle 1 seen 1mi. NE San Benito Peak & two on way down canyon Aug 12.
6. Cal. Quail 1 seen 1mi NE San Benito Peak on Aug. 9. apparently scarce.
7. Mourning Dove widely distributed. seen every day & everywhere we collected, but not very numerous.
8. Screech owl Dr Miller collected one august 8 along the road near camp. I picked up a ~~Owl~~ secondary in the trail just downstream from camp.
9. Horned owl heard calling on two occasions & one seen once.
10. White-throated Swift. several seen 1mi NE San Benito Peak & in canyon down stream from camp.
11. Anna Hummer seen 1mi E San Benito Peak and in the meadow near camp on August 11.
12. Rufous Hummer Selasphorus hummers were common along the stream & on hillsides where red thistles grew. Dr. Miller collected two - Both rufous.

annotated list of vertebrates

Aug 6-12 1 mi SE San Benito Peak, 4400', San Benito Co., Calif.

13. Flicker heard several times around camp but not common.
14. Nuttall Woodpecker saw one (or two) downstream from camp on August 10.
15. Hairy Woodpecker seen and heard two or three times about camp.
16. Ash-th.-flycatcher seen on ridge to the East of camp (one family). +.
17. Western Flycatcher occasional throughout the country. collected 1.
18. Wright Flycatcher 1 collected by Dr Miller.
19. # Olive-sided Flycatcher a few seen. (one on ridge to NE of camp)
20. Pewee seen in the trees around camp and down the stream from camp. collected one.
21. Violet-Green Swallow a few seen flying over. especially over stream below camp.
22. Martin a few seen and heard over camp & ~~along~~ over stream below camp.
23. Cal. Jay fairly common but widely spaced & distributed. collected one.
24. Steller Jay. one family in a deep canyon about a mile NE of camp.
25. Plain Tit fairly common & widely distributed.

Ewston 1944. annotated list of vertebrates. 16.c.

Aug 6-12 1 mi. SE San Benito Peak, 4400', San Benito Co., Calif.

26. Bush tit fairly common. found one old nest ~~in~~ 5' up in a 8' manzanita bush along the stream below camp.

27. White-br. Nuthatch not common. three collected at camp & downstream.

28. Rock Wren collected one on the summit of San Benito Peak

29 III House Wren fairly common & rather widely distributed

30. Bewick Wren ~~[redacted]~~ somewhat commoner than the last & more widely distributed.

31. Calif. Thrasher uncommon in brush. collected one.

32. Bluebird. Very common. Family parties everywhere we went. In poor plumage.

33. Blue-gray Gnatcatcher ubiquitous & very numerous. In evidence even in the heat of the day.

34. Warbling Vireo Dr. Miller collected one along the stream below camp.

35. Solitary Vireo several heard & collected along the stream below camp.

36. Orange-c. Warbler. fairly common. but quiet. in good plumage.

37. Audubon Warbler Dr. Miller collected one near camp.

38. Hermit Warbler I collected one along the stream below camp.

Annotated list of Vertebrates.

Aug 6-12 1 mi. SE San Benito Peak, 4400', San Benito Co., Calif.

39. Black-throated Gray Warbler. scattered families found & a few single birds.

40. Wilson's Warbler. 2 or three seen & 1 collected along the stream below camp.

41. Western Tanager. seen once.

42. Black-headed Grosbeak saw one 2 mi NNE of camp.

43. Lazuli Bunting heard once or twice around camp.

44. Purple Finch fairly common in small scattered flocks

Linnet.

Green-backed Goldfinch

Lawrence's Goldfinch

Spotted towhee

* Brown Towhee

Rufous-crown Sparrow

Bell Sparrow

Rustow
1944

16.e.

Aug 6-12 1 mi. SE San Benito Peak, 4400', San Benito Co., Calif.

Clipping Sparrow Collected 1 young on sandstone ridge about 2 mi NE of camp.

Oregon Junco Fairly common. Most numerous near streams near camp.

Lark Sparrow collected a young bird near camp on Aug 11. The only one seen.

Wrentit

Scleroporus graciosus on disintegrated serpentine ridge about camp.

Scleroporus occidentalis on sandstone ridge just to east of camp.

Rana boylii

Aug 6-12 1 mi SE San Benito Peak, 4400', San Benito Co., Calif.

Sorex

Procyon

Skunk (sp?)

Bat (large)

Bat (small).

~~Coyote~~ Sylvilagus bachmani

Deer

Citellus beecheyi

Eutamias merriami

Dipodomys elephantinus

Peromyscus maniculatus

Peromyscus truei

Thomomys Bottae

San Benito Co.,

Aug 12 1 mi SE San Benito Peak, to 9 mi E Coalinga, 650', Fresno Co., Calif.

was low. Drove south along range to ¢ a short distance beyond a small lake. Decided we had gone too far ¢ came back taking an old mine road down the mountain. After 6 or 8 miles the road became impassible for 150 yards in a gorge. After loosing the situation over carefully we decided it best to spend the better part of the day repairing the road. which we did spending the time from 10:30 AM to 5:30 PM in the process, pausing twice to swim in a good pool in the stream. Found a Black Phoebes nest on a small cliff by the swimming hole, and fish in the stream (minnows). There were no fish up at our camp in the upper part of this drainage. Finally got through ¢ drove to main road which we hit about 8 miles S of Hernandez. According to people met at the bottom we were the first car to get through in a matter of years. Drove to Coalinga where we filled up with gas ¢ water ¢ then went east 9 miles to a small draw with a fairly good growth of Atriplex in it ¢ camped under a cottonwood along the side of it. Set out 35 traps baited with oat meal and went to bed.

August 13. 9mi. E Coalinga, Fresno Co. to Berkeley, Alameda Co., Calif

Got up early & collected traps - caught one Dipodomys nitratoides one other trap sprung. Catch seemed very small considering the number of Dipo sciurus etc went out hunting for Bell sparrows but saw none. Saw the following animals near by. Anna & Selasphorus hummers (in tobacco along draw), Linnet, shrike, sparrow hawk, Kingbird, mourning dove, Pintail (20 or so flew over the previous night), young lizards (probably V. t.), Ammospermophilus, cottontail, Citellus beecheyi, Jack rabbit, & Dr Miller added Leconte Thrasher & coyote. Drove back into town for ice to keep specimens & then to Mendota collecting Horned larks on the way. Ate Lunch in Mendota & from there turned up to the Panoche valley through much land devoted to raising melons. The lower part of Panoche creek has fair growths of Scirpus & Typha & looked very good for Song Sparrows, yellowthroats & even Marsh wrens. There were also Atriplex flats for Bell Sparrows followed up the valley (where we saw magpies & Lewis Woodpeckers & many horned larks) & came into Paicines & thence to Berkeley where we arrived about 7:15 PM.

Nov. 4 Napa & Pope Valleys, Napa County, California

cabin which had been boarded up for the winter. Here in the yellow pines I saw 2 Downy Woodpeckers, and both white-breasted and Pigmy Nuthatches. We went into Angwin & looked through several barns without success & drove over Howell Mountain to Pope Valley where we visited the Pope Valley school (Deserted) which houses a good-sized Colony of Tadarida & Antrozous which live between the old shingle roof & the corrugated iron roof which overlies it. We collected several Antrozous and proceeded up the valley to Aetna Springs - a small summer resort. Here we were shown a number of places where bats hang up under porch roofs at night. Antrozous hang outs were identified by good-sized piles of Stenopalmates legs & heads under them. The only bats we found were a group of Corynorhinus in the attic of the [redacted] coolhouse & dining room building which we entered by a window on a ventilator on the roof. There were also a few Tadarida under a piece of tin surrounding the chimney. For further notes see S.B. Benson's notebook. Saw Calif., Nuttall, & Lewis Woodpeckers in Pope Valley.

Nov. 18. Alameda & Santa Clara Counties, California

Left Berkeley shortly after 10 AM with M. Ramage, and W. & M. Fox. Drove to Mission San Jose where we looked in the Mission for Corynorhinus. These bats evidently roost in the darkest part of the attic (the NE part) but hang up at night in the more open South end. The mission has a new roof - tile facing the front & Shingles behind. The roof does not follow the ~~con~~ design of the old one being 6' higher & the ridge pole is about 6' feet farther back. It seems probable that the bats have left for the winter. From here we drove to New Almaden in Santa Clara County & up on the ridge to the south - about a mile (bee-line) from the town. Here there was a Hg. mine & we investigated two horizontal shafts, one where the road forks just before you get to the mining community and one a short distance to the south along the other fork. The former yielded no bats & we saw no ~~bl~~ signs of them, but the other had one Myotis #513 (which as it was flying about I caught in a net) and numerous small piles of droppings under small crevices in the ceiling of the shaft. There were few places in the shaft which could not be reached by one's hands and it looked as though several other small bats had recently been in the mine shaft. We left here about 2:45 PM and

Nov. 18. Alameda & Santa Clara Counties, California

drove back through San Jose to the King Road which went south & merged into the Silver Creek road which we followed. A short distance before it ended in the San Felipe road, we turned off to the right (south) & investigated some old mine shafts a few hundred yards from the road. There were three short shafts near a group of old mine works but these yielded nothing. A fourth was marked "Danger - Powder Magazine" and was cemented around the edges & had a metal door which closed tightly enough to keep out bats so we did not go in. Up the hill to the west there were more shafts - some vertical (which were inaccessable to us) and two horizontal ones which we went in. One was quite long & had a vertical shaft a good way in but no signs of bats. The other was short with a rather tight entrance & smelled strongly of carnivore but no bats. There were undoubtedly others in the vicinity but it was almost dark by the time we had investigated these so we left at 5:15. A rock wren was around one of the vertical shafts & marsh hawks & several horned larks were seen on the hill otherwise nothing of interest ornithologically. Arrived in Berkeley at 7:30 PM.

Rio Store
1946

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July 29 Naval Ammunition Depot, Lake Denmark, Morris Co., N.J.

Arrived late P.M. to visit H.V. Coes. collected ferns on the base and watched deer come down to drink at the pond by which the house was located. Typical trap rock country & deciduous woods. Returned to So Orange on the 30th.

Aug. 2. Andover Jct, Sussex Co., New Jersey.

Visited fern locality in limestone country near Andover Jct. collected Triturus there in wet deciduous woods on limestone.

Aug. Island Beach, Ocean County, Newjersey. 3 trips, s. end of road to Barnegat inlet - a mile or a mile & a half.

	Aug 6	Aug 12	Aug 24.
Great Blue Heron	3	1 ad.	1 ad 2Y
Little Blue Heron	1	3 ad. 2Y	1 ad 2Y
Am. Egret	.	4 (1Y)	1
Green Heron	2	5 (1Y)	7
Bl. C. Night Heron	.	6 (4Y)	6+
Yellow C. " "	.	3 (2Y)	3+
Osprey	4	2	8
R. Turnstone	14	22	10
Black-bellied Plover	.	2	
Piping "	14	24	
semipalmated "	.	1	
~~Killdeer~~ T. Vulture	.		1
Willet	1		2
Gr. Yellowlegs	.	1	
Spotted Sandpiper	1.	2	1
Dowitcher	2		1

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Aug 21 3 mi. SW Summit, Union Co., New Jersey

collected Salamanders in a spring in the Watchung Reservation. A clear bricked cavity ~~into~~ from which the Spring came yielded Eurycea longicauda, below in an area choked & Watercress were a small snake and many Pseudotriton. I also collected under stones along the ridge and along the brook which runs through the reservation.

Aug 25 Ocean & Burlington Cos. New Jersey.

visited Holgate and the Tuckerton meadows (Ocean county) and Green Bank and Martha, Burlington County & A.H. Miller.

Sept. 6 Lake Chautauqua Refuge, near Havana, Illinois.

A.O.U. field trip. Outstanding birds seen were one Golden Plover, and several Baird & Pectoral Sandpipers also collected skull of Gar. Too early for many ducks - Mallard, Black, Wood ducks & Blue-w. teal only. Other shorebirds included Killdeer, Semipal Plover, Least & Semipal. sandpipers, lesser Yellowlegs and Black Tern. Also G. Blue Heron & Am. Egret.

Sept. 8 Near Cozad, Nebraska from Bus.

a few miles east of Cozad saw 3 Hungarian Partridges and 125-150 Franklin Gulls - the latter in 2 flocks of about Equal size. another flock of 75 or so a few miles west of Cozad.

Sept. 9 Saltair - ~~20~~ 15 miles west Salt Lake City, Utah.

Avocet 30±, Killdeer 4, Raven 1, Calif. Gull 2. Gull sp? 20±
Barn Swallow, Brewer Blackbird, Burrowing Owl.

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Journal 7.

Berkeley, Calif. to 2 mi. S, 6 mi. E, Shandon 2100', San Luis Obispo Co., Calif.

Aug. 18. Left Berkeley 7 a.m. & A.H. Miller in the 2 museum trucks. Picked up P. Delmal in East Oakland & proceeded via San Jose, Salinas to King city where we stopped for lunch. Met. G. Salt in Paso Robles at 2:30 pm. purchased our groceries there & drove to the Ranch of Mr Jack McMillan where we spent the night. Drove w Mr McMillan to the top of Red Hill (about 2500') to have an overall view of Eastern San Luis Obispo County. From this point we could see the north edge of the Carizo Plain to the south and the Diablo Range to the north. The present area is in a gap where there is apparently no range high enough to have Coulter Pines. this may be an important factor like the gap between the redwoods in northern Marin & Southern Sonoma county for isolating ~~isolated~~ populations of various animals. On top of the hill we saw a very pale bobcat and a golden eagle. Discussed plans for the trip. Slept in the ranch yard. A large covey of quail roosted in an Olive tree over our heads. Mr McMillan stocked the covey from stock obtained from the Fish & Game farm in Napa Co. By leaving a corner of the wheat field unharvested, planting a few trees near the house, & a watering place, the quail have multiplied tremendously.

Aug. 19. 2 mi S, 6 mi. E Shandon to 4 mi S, 5 mi. E Shandon, S.L.O. Co. California

Before breakfast went up into wheat stubble above the house and found many M. Doves, Horned Larks, and a few Grasshopper Sparrows. Mockingbird & House Sparrows, & House finches around the house. Left after breakfast & camped in a grove of cottonwoods in the bottom land

Aug 19. 4 mi S, 5 mi E Shandon, San Luis Obispo Co., California

of San Juan Creek. The creek valley is perhaps half a mile wide with scattered cottonwoods along the creek proper (which is dry). Where we are the creek is near the south side of the valley where there are a series of small canyons going up into the hills which rise abruptly from the valley. The hills are covered with a sparse growth of Haplopappus averaging 3-4' tall with some Eriogonum growing with it. The understory is a sparse cover of low grass. On some parts of the hillside are small groups of scattered Blue Oak or low Junipers. The creek bottom is sandy with some dry grass and some Heliotrope which is in bloom. The Valley bottom, perhaps 4' above the creek bottom is apparently an alkali flat as Distichlis is prominend and in places where there has not been overgraging there may good patches of Atriplex. Other forms to be collected. To the North the hills are higher (Red Hill to 2500') and covered ± scattered shrubs with a series of alluvial fans at the mouths of the canyons. Collected birds in the Am. in the cottonwoods & Blue oaks. In late p.m. set 65 traps (Museum special) on hillside just south of camp in ten Haplopappus and 10 more in the creek bottom near camp. Covered half of line about 8:30 pm but found no animals in the traps.

Aug 20 Found 1 imm. Reithrodontomys (♂) & specimen 599, 600, 601 in the traps in the creek bottom; and 590 to 598 plus 3 peromyscus maniculatus (2♂ 1♀ no emb.) in the traps on the hillside. In p.m. went to near mouth of canis canyon & helped Dr Miller & Jim McMillan set some steel traps for kit fox which they

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Aug 20. 4mi. S, 5 mi. E, Shandon, 1175', San Luis Obispo Co., California
saw these the evening before. After supper set 101 traps
about a mile east of camp in a patch of Atriplex and
above it in scattered low brush above it. The traps
were about 15' to 20' apart. In the evening went out
after owls saw or heard Barn & Horned owls as usual
but no screech owl. Coyote barking near camp in a.m.

Aug. 21 Ran trapline found 17 Dipodomys (genid) in traps several
more sprung. Hunted these Atriplex in bottom of wash
where there was a good bed of Suipus americanus and a
few Cattails. Besides birds collected saw a pr. of Ravens,
Shrikes, Mockingbird, Redwings, Ground Squirrel, Jackrabbits,
Horned Larks, Sapsucker, etc, Coyote In the p.m. set 75 traps in
small side canyon to the south of camp. Line ran thru the
scattered Haplopappus & Eriogonum in the alluvial fan,
canyon bottom and side of canyon and 25 maximum
special traps in Distichlis flat north of camp also 10 rat
traps in the cottonwoods near camp. Shot cottontail
by fallen log near camp. Saw 2 or 3 Eptesicus at dusk.

Aug 22. Traps in canyon yielded 4 peromyscus maniculatus
(2 ♂ 2 ♀ no. emb.) 1 ♂ Dipo. 1 young ♂ Reithrodontomys
& the 3 Perognathus saved. Traps in Distichlis 1 sprung
no animals caught. Woodrat sets yielded 3 rats +
3 sprung traps 2 ♀ neotomas saved a fine ♂ thereout.
Hunted up & down the creek bed among the cottonwoods
& in a dense grove of willows south of camp. Besides
birds collected saw White-thr. Swift, Golden eagle,
Tanager, Yellow-rumped Warbler, Pipit, W.b. Nuthatch etc.

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Journal 10

Aug 22 4 mi. S, 5 mi E, Shandon, 1175', San Luis Obispo Co., Calif, overcast.

Flushed a barn Owl out of a clump of mistletoe in a cottonwood whereupon it was chased by a pair of Sparrowhawks. Found a mourning dove's nest 7' up in an isolated 15' willow. Flushed bird from nest which contained 1 egg. After supper reset the 75 traps up the small canyon to the south and added 7 more in the upper part of the canyon bottom. ~~Thomas~~ Saw cottontail go under bdsh across canyon got closer & threw a rock at it & shot it when it came out. Reset ten Rat traps for Wood rats.

Aug 23 Caught 1 woodrat before going to bed. In morning visited traps. 3 ine yielded besides those skinned 1 Cott-tailed Perognathus californicus (♀ no emb). 3 Dipos (2♂ 1♀ no emb) The seven additional traps had 2 Perog. Calif. 1 immature ♂ Neotoma in rat traps. Found one trap sprung & blooded in the tree next to the one I set it in. Apparently a young horned owl had taken it with a woodrat & eaten the latter. Later walked north up a small canyon on to the ridge east of Gillis canyon & along the ridge & back down the ridge between the 2 main branches of the larger canyon which comes to the valley just east of camp returning about 10:30. On the main ridge there are scattered groups of blue oaks & a lot of juniper with ~~oak~~ artemisia, Haplopappus & Salvia the principal shrub species. The brush is larger & a few bell sparrows were seen in it. Saw 2 Lewis Woodpeckers flying over the ridge also 2 parties of Bush tits in the junipers. Collected 1 but it was in bad

4 mi. S, 5 mi E, Shandon, 1175', San Luis Obispo Co., California

Aug. 23. plumage & hence not kept. Also saw Orange Cr. warbler, Shrike, Bewick's Wren, Hutton's Vireo, Skinned all afternoon. In evening set 49 traps in Scirpus americanus on near water a mile upstream near the large patch of Atriplex and 15 more in the large Atriplex. All about 20' apart as usual. Saw a group of about 10 ducks - mostly Pintail & a few smaller birds - flying up the valley (east) - saw a pintail the night before also flying up valley. Upon return heard Screech Owl but couldn't locate him. Set 5 traps for Neotoma & retired.

Aug 24 The 15 traps in the Atriplex yielded 6 Dipos (4♂ 2♀ no recs) the 49 yielded 3 Reithrodontomys (1♂ & 1♀, no recs besides the one saved). Tried to get a Rabbit but didn't even get in range. Saw Killdeer and also 2 small sandpipers, the latter flying up the valley. Just above the trap line was a body of stagnant water about 150' long which should be good for amphibians in spring. I saw none nor any tadpoles. It might also be good for bats. Later went up Gillis valley & looked at sets for Kit fox but none was spring. Collected Horned Larks in the nearby field & proceeded up to seep in small canyon (1 mile) on which Dr Miller collected yesterday. Stayed til nearly eleven AM Trying to collect Towhee & sage sparrow. Saw a hummingbird (Calypte anna ?) and a gnat-catcher & kinglets also near the seep. In evening set 101 museum special traps in alluvial fan & dry wash 1/4 mile E of camp. Dr Miller set 100 traps on one side of the wash & I set on the other. (The usual 7 paces apart).

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Journal 12

August 25 4 mi. S, 5 mi E, Shandon, 1175', San Luis Obispo Co., California

Ran trap line which yielded only 10 Dipos which were not saved. Broke camp & left by 8 a.m. General impression of the camp. 1. Abundance of small mammals and consequent large number of Owls. 2. Cottonwoods along creek bottom concentrate migrants. 3. Sparse Haplopappus brush to south of camp almost devoid of bird life. 4. Scirpus along creek bottom had small mammals (Reithrodon tonneys) only when mixed w grass. 5. Distichlis flats especially barren of animal life. 6. Hills to North with good patches of tall (4+) Artemisia, Haplopappus & Salvia with scattered Blue Oaks & Junipers have good bird life - Thrashers, Ballspanows, Bew. Towhees, Bushtits etc but all, even Bush tits are very wild. A good camp although a dry one. Drove to Gillis Valley & met Mr J. McMillan & found a Kit fox & a Striped Skunk in the Steel Traps. Went in to Shandon to see the exhibit of birds w nests & eggs which Mr McMillan is sponsoring. He collects & skins the birds & Mr Rett of Sta Barbara museum mounts them. Saw 2 Selasphorus hummers and a probable & Calliope in the school yard. Then Drove East to the Comache Flat to look for Condors which are there regularly in May & June. Saw none however. Shopped & ate lunch in Shandon & proceeded up the Cammatti Valley. Just outside of Shandon saw a young Sage Thrasher & by reservoir at mouth of Cammatti Valley a Green Heron. Stopped at the Cammatti Ranch & made camp a mile or two down canyon (1450') in a grove of

Aug 25 Cammatti Creek, 1450', San Luis Obispo Co., California

willows, Cottonwoods & Valley Oaks. The surrounding country is Typically upper Sonoran with Digger Pines & blue oaks and a chaparral of almost solid Adenostoma in some places and mixed Ceanothus, Arctostaphylos, Scrub oak, Haplopappus, Artemisia, & Eriogonum in others. Stream by camp running for about 100 yds. ē good growth of Scirpus americanus & Azolla on the water. In less moist parts of the creek bottom there are flats of low Distichlis. Made Camp, put up a Chipping Sparrow, bathed in a Concrete reservoir 2 miles down canyon and tried to shoot bats over small pond in stream. The water must attract birds from quite a distance as there are constantly birds about the edges drinking - M. doves, Sage Sparrows, quail, Goldfinches - both Green back & Lawrences, Blue birds, Calif. Jays etc. Set 85 Mus. Spec. Traps in mixed Chaparral to West of camp. Chaparral here quite open.

Aug. 26. Ran Trap line - yielded besides mammals skinned 1 Perognathus Calif. ♂ ad. & 3 ♀ young Peromyscus Truei (no. emb.). Hunted thru mixed chaparral to west of camp & back down draw ē Pines & oaks also saw Sp. towhees, Bewicks Wren, a raven skull, a Turkey Vulture roosting in a Digger Pine & Pine cones worked by gray squirrels. Saw also a cottontail & 2 Jackrabbits. Spent rest of day skinning. In evening Set 82 mus. spec. traps & 3 Rat traps (baited ē Walnuts) in mixed chaparral & parkland (Oak-Pine) to east of

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Aug 26 Cammatti Creek, 1450', San Luis Obispo Co., California.
camp. Went out hunting Screech Owls & Poorwills &
Dr Miller but count success. Saw Doe & twin fawns near camp.

Aug. 27 Ran trap line after breakfast. 1 Neotoma in rat traps
other mammals collected were those skinned (including
Pocket gopher) and a young Reithro (& mus. musc). All caught in
Museum Spec. traps. Gopher bit on head but caught by
1 front foot. Hunted up the valley. Returned to camp &
found birds most numerous at camp. Anna Hummer,
Lawrences Goldfinch & Thrasher singing. Two does & twin
fawns came to water to drink 1 set of fawns still had spots.
Skinned most of day. After supper set 7 rat traps baited &
walnut on nests of Woodrat in thin stand of almost
Pure Scrub oak. also 26 mus. spec. traps on grazed flat
and 35 on hill side & open stand of Juniper. Later
tried to get a shot at the bats that come to the pool
& finally went night hunting. Missed a Poorwill
but Salt succeeded in getting one. Retired late - 9:30.

Aug. 28. Woodrat sets yielded 5 rats + 1 trap sprung. 3 immatures
(all ♂'s) not saved. Traps in open grazed Distichlis yielded
nothing. Those in open Juniper & dipos and under
a Juniper 1 got a P. maniculatus. Hunted thru
draw & Digger Pine & some mixed chaparral &
finally back up thru valley. Birds again
most numerous near camp. Skinned in late am. &
P.m. Set a pair of gopher traps in fresh workings near
camp. In evening went down canyon to the reservoir
to shoot Bats. got none. Walked back to camp trying

Aug 28 Cammatti Creek, 1450', San Luis Obispo Co., California

for poorwills & Screech Owls but didn't hear any. shined a woodrat in a valley oak & heard a young horned owl. Scared many lark sparrows out of their roosting trees.

Aug 29 As usual the killdeer woke me up at 4:50 am. in time to get breakfast. They function very efficiently as an alarm clock. Second call comes regularly at 5 when the Calif. woodpeckers sound off. Went to reservoir to look over caves on hillside East & a little south of reservoir. There are a series of several caves in a marine limestone deposit overlying a fine soft sandstone. The limestone abounds in fossils - especially pecten and a massive oyster also found pieces of a small echinoderm about halfway between a sea urchin & a sand dollar. 50 to 100 feet below is another pecten belt. These shells being considerably larger & heavier. The caves above yielded no bats as they are probably too small; but in one were the droppings of a large bats which probably come in during the night after feeding. Each cave, almost, has a woodrat nest in the back & there are nests under the nearby Junipers. Drove back to camp & collected birds there & skinned. About 2:30 went back to reservoir & set 7 woodrat traps in the caves. Had a swim. Saw 5 ravens playing around in pairs (4 of them at least) on an up draft. Came back to camp & changed 1 gopher set, & cut out a third. After supper returned to reservoir & set 22 more mus. sp. traps at 3 pace intervals in ~~the~~ a rocky outcrop near (to the South of) the reservoir.

Aug 29 Cammatti Creek, 1450', San Luis Obispo Co., California

shot a Pipistrelle & second shot, then tried snapping a towell at them without success. This species flies so low and erratically that they are especially hard to hit. came back to camp & found 2 gophers caught. Skinned bat, wrote home, & went out after screech owls for an hour & Dr. Miller & Bill Salt, but didn't hear a peep. Dr. Miller had a skunk (striped) in a steel trap near camp when we got back - Retired late - 10:15.

Aug 30. After breakfast (Fog this a.m.!) went to reservoir to run trap line. Nothing in 22 traps in outcrop on west side of Valley. 3 woodrats & 1 peromyscus (mice) in Rat traps in canes. Hunted nearby & got a Cottontail. Came back to camp at 7:30 & put up gophers. Third set not touched. Drove into Shandon & Dr. Miller for supplies. Thence to Pass Robles & return via Creston. Skinned until supper time. In evening set 3 steel traps on hill to west of camp.

Aug. 31. Nothing in steel traps. Drove up the canyon & Dr. Miller to the Bethel brothers place & hunted above their land in the lower fringe of the National Forest. Here the chaparral is much higher & in places quite dense. Eg Eriodictyon crassifolium is common here as a disturbance indicator. Adenostoma forms the dominant chaparral on the tops of ridges and other places where the soil is poor and the slope great. In somewhat better conditions there is a good growth of manzanita and dense growths of scrub oak. Live oaks, blue oak and digger pine

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Aug. 31. Cammatti Cr., 1450', San Luis Obispo Co., California.

Canyon looking down from near camp.
Valley oaks in foreground.

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Aug. 31. Cammatti Creek, 1450'. San Luis Obispo Co., California

Concrete ~~cattle~~ reservoir 2 miles down-canyon from camp.

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August 31. Cammatti Creek, 1450'; San Luis Obispo Co., California

Outcrops of marine invertebrate strata on East side of canyon 2 miles down canyon from camp.
Neotoma used the caves for nest sites and at least one was used as a temporary hanging-up place for bats.

Aug 31 Cammatti Creek, 1450 ft., San Luis Obispo Co., California

go up the draws in the typical open formation. Dr Miller found chipmunks in the oak brush. Due to the higher & denser brush Weasels were more abundant here than down below but the bird life was rather similar. Returned to camp at 10 skinned at lunch and skinned some more. In the afternoon went to the reservoir for a swim. In evening set a pair of gopher traps in the flat near camp. Poor will called several times near camp (the "Poor will" note).

Sept. 1. Turkey Vultures caught in trap on top of hill. The bait was invisible from the air - under a log and it would lead one to suspect that the sense of smell plays a part in the location of food by vultures. Later hunted down canyon in large grove of willows and cottonwoods. The day is very warm & birds relatively quiet. About noon dove hunters began to arrive & stationed themselves along the stream near the wet places about 4 pm. Few doves appeared before around sunset when a continuous fusillade started up & lasted for about an hour. We all joined in the shooting, but Dr Miller was the only one of us who did well. I drew a complete blank. After dark went to reservoir for a swim. Saw Roadrunner near camp in p.m.

Sept. 2. Broke camp after breakfast. General impressions. The cold weather we have been having up to this weekend has probably given us a poor idea of some phases of the animal life of this vicinity. This a.m. for instance I went out on the flat to pick up the gopher traps (which were unsprung) & saw a large tarantula duck into

Sept 2. Cammatti Creek to 3½ mi E, ½ mi N, McChesney Mt., 1900 ft., S.L.O. Co., Calif.

a hole about an inch and a half in diameter. There were numerous other similar holes on the flat & we probably would have seen many more in warmer weather. It was even more strongly evident here than at the last camp how many species come to water. Bell, Lark & Chipping Sparrows, Lawrences & Green backed Goldfinches, Linnets, Plain tits, Quail, Doves, Cal. woodpecker, flicker, Hummingbirds, Cal. Jays, Brown & Spotted Towhees all came to drink as did Bees & bats (Eptesicus & Pipistrelle) & ground squirrels. Small mammals & owls not quite so numerous as at the last camp but still fairly abundant. Left about 8 am & drove to Pozo via the La Panza Ranch. The road goes over the La Panza range which is largely covered ē chaparral ē a few Coulter Pines on top. The chaparral consists of Adenostoma on the more exposed ridge tops & steep slopes. Manzanita & oak brush are in the more sheltered places or those ē more moisture. Grass and blue oak with some digger pine also occur. The cooler canyon bottoms have live oak and Sycamore with cottonwood & willow. Stopped at the Pozo ~~sta~~ Ranger station to get permission to camp on McChesney Mountain, the west side of which is closed. Drove partway back to the La Panza Ranch & stopped for lunch at La Panza camp just off the main road. This is a good camp ground ē water & fine places in a canyon with live oak. Left about 12:30 pm & drove to the La Panza ranch where we met Eben McMillan who showed

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Journal 19.

Sept. 2. 3½ mi. E, ½ mi N, McChesney Mt., 1900', San Luis Obispo Co., California.

on the way to the Davis Martiney Cabin which we will make our headquarters for about a week. The cabin is in a Blue oak clearing on a side branch of Hay Canyon at about 1900'. Just to the north is an extensive area which was burned in the fire of August 1941 which burned a large area on McChesney Mt. The burned area is coming up in a mixed growth of Adenostoma and Eriodictyon crassifolium. There is a good well by the cabin but the main stream in the canyon is dry except for a few scattered pools which show some encrusting of salts around the edges. After setting up camp I explored the canyon to Horn & Bill Salt looking for places to set steel traps. Found Selaginella bigelovii abundant along the canyon walls and even on exposed rocks in the burned over chaparral - also collected some Pityrogramma and Cheilanthes californica which I set in water to unroll overnight. After supper set one steel trap by a log in the saddle west of camp. Heard Poor will & screech owl in the evening. A red breasted nuthatch & a young chipping sparrow came up onto the truck.

Sept 3. Left camp at 5:45 E E. McMillan & R. Miller for the top of McChesney Mtn. The way up goes through burned over adenostoma chaparral and open Blue oak grassland In the former we found places where Rufous crowned Sparrows were common. Up near the top of the mountain there were scattered Coulter Pines in the chaparral and in

Sept 3. 3½mi E, ½mi. N, McChesney Mt., 1900 ft. San Luis Obispo Co., California

one place across the canyon from the trail a small grove of thin-bark nearly an extensive stand of pine. Scattered throughout were the burned stumps of pines and a good crop of young pines about 6 years old - evidently dating from the winter after the 1941 fire. There were also a few Juncos in the scattered pines. Near the top the chaparral was more varied in character & 3 sp. of Ceanothus, Scrub oak, manzanita, Poison oak, Yucca and several shrubs I couldn't recognize. About 9 a.m. I started a buck which Mr. McMillan succeeded in shooting. We were at this time just east of the main peak in a saddle. After skinning & dressing the deer we took it to the main trail back & at once cached it in a tree & proceeded to a spring to the south of the main peak. The spring is surrounded by willows & thick brush but originally was in a small grove of Coulter Pines now burned. many birds were visiting the spring. Bluebirds, Townsend's Golden-crowned Sparrows, & Wrentits were dominating, a Striped racer was seen up in a bush trying to catch birds. Dr. Miller collected it. We started back for camp about 12:30 p.m. & arrived at 2:30. Saw no condors on the mountain but did see golden eagle, ravens, Red-tail & Sparrow Hawks. In camp bathed, relaxed & skinned a couple of birds that Dr. Miller collected en route. Tried to collect a bat in the evening.

Sept 4. After breakfast headed for North fork of the canyon where we heard Ant. Towhee yesterday. Found two places where there were several pools of water in the

Sept 4. 3⅛ mi. E, ½ mi N, McChesney Mt., 1900 ft., San Luis Obispo Co., California.

canyon bottom. At the lower place I found sulfur-crown sparrows watering & at the upper Mt. & Calif. Quail nearby and Bell sparrows, towhees (both sp)., Bewick wrens, Tanager, Pileolated Warbler & Empidonax sp? Chipmunks were numerous along the stream bed especially where there were scrub oaks nearby. Returned to camp at 8:30 and skinned til early p.m. when I washed up & set out 4 steel traps for the canyon visited in the a.m. Made 3 sets (2 singles & 1 double) a single at the upper waterholes & the others at the lower. Birdlife very quiet. No Mt. Quail in evidence. Came back to camp, took a bath & after supper set 76 Mus. Spec. traps baited w oatmeal 7 paces apart in the burned over adenostoma just to the north of camp. The chaparral was about 50-50 Adenostoma & Eriodictyon crassifolium with rocky outcrops, sandy places & coarse dead dried grass. Shot a screech owl about 8 p.m. w Dr Hollers help in calling him up.

Sept 5. Ran trap line immediatly after breakfast. In addition to Peromyscus, Dipos & Neotomas skinned caught 1 ♀ im. Dipo. and 1 ♂ im peromyscus truei. Visited steel traps in canyon but no dice, shot chipmunk & a very seedy young gray squirrel in the canyon. Spent most of the rest of the day skinning, but went back up the canyon in the afternoon to add fresh bait to the steel traps. After supper Bill Salt & I set parallel trap lines in the burned over chaparral where I trapped last night. The lines were about 50 traps each, set

Sept 5 3½ mi. E, ½ mi N, McChesney Mt., 1900 ft, San Luis Obispo Co., Calif.

seven paces apart. Bills were baited ē walnut & mine with oat meal.

Sept 6. Dr Hiller & I left for the water holes up the canyon at about 4:45 a.m. in an attempt to get Mt. Quail. We stationed ourselves at the upper series of pools at 5:15 and waited for an hour but no quail came. I heard Valley Quail behind me but they didn't come to the water. The Mt. Quail called several times up canyon from us and apparently watered up there. Collected a Dusky & Sonoma mice & Chipmunk on way back. After skinning again went up the canyon to set traps (Mus. Spec) by the water in hopes of getting shrews. Set 20 traps, 3 paces apart at each series of pools. Used walnut bait. Bill collected the traps we set out last night. Mine - baited ē oatmeal had 2 Dipo's and 1 Peromyscus & his baited ē walnut had 1 Dipo & 2 Peromyscus. 2 of the 3 peromyscus were truei & 1 Boylii, but they got mixed & we don't know who caught which. Got a scalopus and a Chipmunk on the second trip up canyon.

Sept 7 Left camp at 5:45 am & went to the canyon to wait for Mt. Quail. Dr Hiller preceded me & waited at a water hole ~~above~~ above where we were yesterday. Arrived at 6:15 & waited until 7:30 when I collected my mus. spec. traps (1 Reithrodontomys, 2 P. boylii) then I heard Mt. and Valley Quail calling so I went up the north side of the canyon & waited. Saw 4 or 5 birds

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Sept 7. 3½ mi E, ½ mi N, McChesney Mt., 1900 ft., San Luis Obispo Co., California

come down the opposite slope but keeping a good distance away & up canyon the Valley Quail called from behind me & also seemed to be going up canyon. After a few minutes I saw 4 or 5 Quail presumably Mountain going up the hill side of the canyon across & up canyon from me. Took a long shot at the last one ♂ 9's & missed. Collected 20 traps at lower set of pools & got 3 P. boylii there. Returned to camp & skinned the Peromyscus. The fifth was a ♂ a bobbed tail. About 2:30 pm went down main canyon via the small canyon which runs by the cabin. In the small canyon there is a waterfall (in the wet season) which cuts through a wall of conglomerate here I found Pityrogramma, Cheilanthes californica, C. covillei, Pellaea andromedaefolia, Selaginella bigelovii & Pellaea breweriana. In the main canyon I roused a fairly large roost (12-15 ft long) into which 5 Rana Aurora? jumped. In the water was a small, slim, striped snake which I shot at & apparently missed as it disappeared Down canyon away I collected a Rufous H. Sparrow. I finally reached the waterfall with a pool above & one below which Bill & Paul found several days ago. Here I shot at a Raven (one of a pair which was circling over the canyon). The bird flew off down canyon with the second. Shortly afterwards a single raven came back & circled over me. This made me wonder whether I had hit the other one but I could not go

Sept 7. 3½ mi. E, ½ mi N, McChesney Mt., 1900 ft., San Luis Obispo Co., California

down the waterfall to check up on this. But had in the upper pool in which there were tadpoles - apparently Rana boylei. Started back about 4:15. Saw some small shrubs of Baccharis & Diplacus along the sides of the canyon, but both are uncommon here as is Salvia. Shot at a Ball Sparrow on the return trip but missed. When I got to camp found both hunters had arrived & were out Deer hunting. They brought a Watermelon, Cake & fresh fruit which were most welcome. after supper. Shot a screech owl about 8 pm. Later went down the road after another but did not get a shot.

Sept 8 The others went up the Mt. but I went back up the canyon to see the steel sets & try to get Mt. Quail. No birds either. Waited at the upper series of pools for an hour & a half (6:45 - 8:15 am) heard Mt. & Valley Quail up canyon about 7:45 - 8:00 & assumed that both species watered up there. Got a Lark Sparrow near the lower pools, but up on the side of the canyon under a poison oak. Backed off & shot him w a 22 so he would not go into the Poison oak. Before I got to him the tail had broken off & was thrashing about in the dry leaves long after the animal was dead. Also saw a large garter snake which managed to disappear w great rapidity. Returned to camp about 10:15 & pressed plants then went up small canyon to south of camp to check on one of Salts steel traps. Didn't find the trap but shot a finch there. Several Linnets were singing in the clearing near the cabin as I came back. Skinned, bathed & ate lunch. The others returned about 1:30 pm

Sept. 8 — 3½ mi. E, ½ mi. N, McChesney Mt., 1900 ft., San Luis Obispo Co., California.

& reported seeing 14 Condors. Perched in the south branch of Hay canyon (my steel traps are in the N. branch) and collected 4 Fox Sparrows representing 3 subspecies. Pressed plants collected yesterday and ceanothus & Ericameria which Dr Miller brought down from the top of the mountain. Wrote notes etc. Retired about 8.

Sept. 9 — Heard Poorwill calling early in the morning - must have come very near camp. Went up canyon to collect steel traps & heard Mt Quail at lower group of Pools., but didn't see any. Nothing in traps. Took some pictures around the cabin & broke camp leaving about 9:15 am. General impressions of this camp. The mood of the camp was perhaps set by what Eb McMillan told us about Dario Martinez. Martinez homesteaded here in the early nineties & one summer after he had gotten well settled, he went to Santa Barbara to the fiesta where he found a beautiful Mexican girl whom he brought back to his cabin. He was very jealous of her, & never let her go into town so about 3 or 4 months after their 9th child was born she went off. Dario rushed off to the road to Pozo & waited 2 days for her to pass, but she was never heard of again. He stayed on & & the help of the oldest daughter managed to raise the children - or perhaps all but one. No body said much about Dario although once Bill was heard to say out of a clear sky "The Dirty Bastard" which upon questioning was found to refer to the dashing californio spaniard who lived to above. It is surprising to see so much blue oak woodland about Bigger pine. It is also surprising to find so many amphibians & even turtles in a canyon bottom as dry as this one. The canyon must be particularly beautiful in the spring. This time of

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Sept 9. 3½ mi. E, ½ mi. N McChesney Mt., 1900', San Luis Obispo Co., California

McChesney mountain in the Badlegroemd
Burned-over Adenostoma and Eriodictyon
in foreground. Unburned Manzanita and
scrub oaks in middle distance also patches
of blue oak and grass. Coulter pines can be
seen silhouetted against the mountain.

F8/1/25 Sec.

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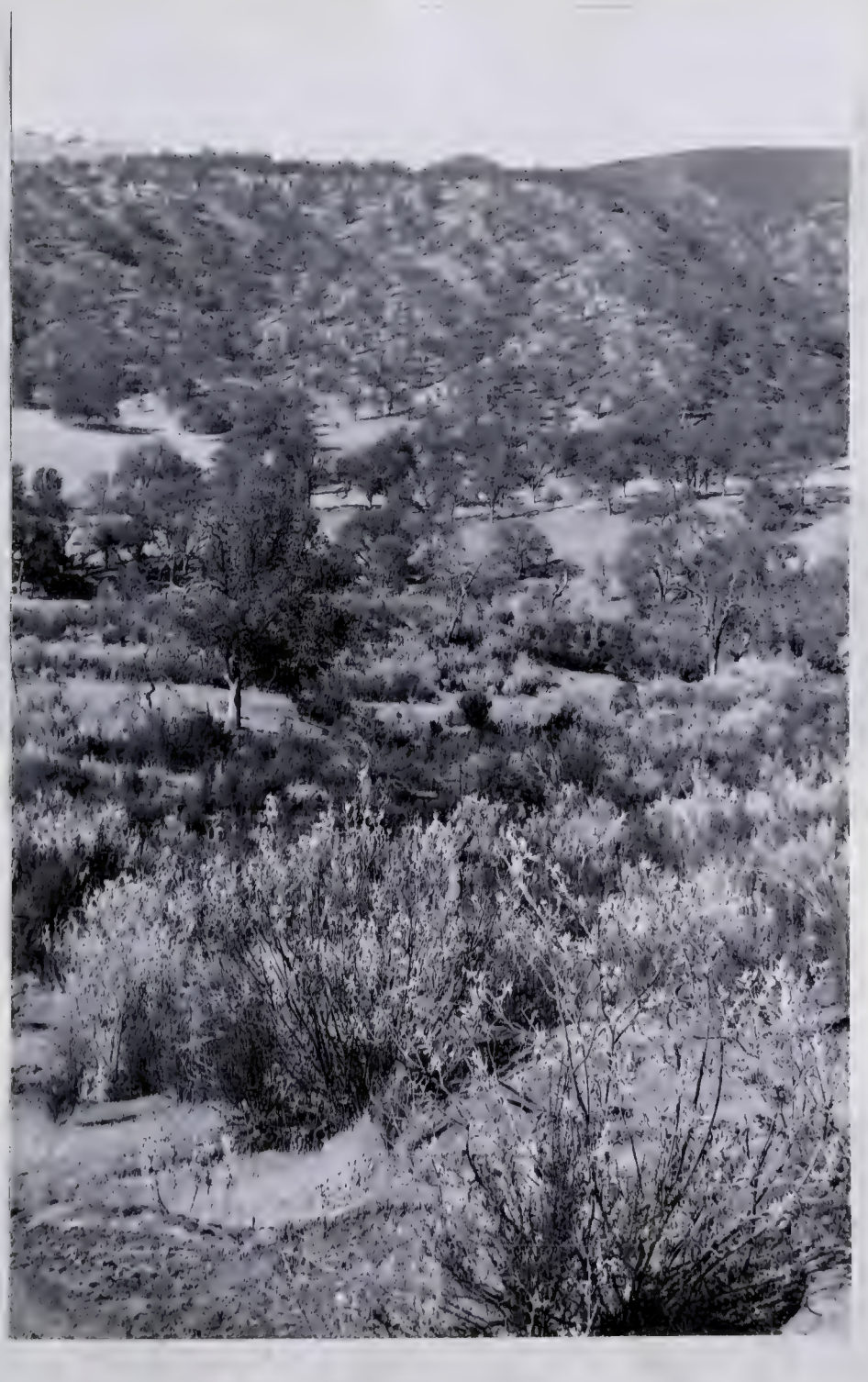
Sept. 9 3½ mi. E, ½ mi. N McChesney Mt., 1900', San Luis Obispo Co., California



Burned over chaparral (Adenostoma & Eriodictyon)
clearing and blue oak woodland in background

→ = Davis's Cabin.

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Sept. 9 3½ mi. E, ½ mi. N McChesney Mt., 1900', San Luis Obispo Co., California

the clearing at Dario's, McChesney Mt. in Background

the Dario Martinez cabin from the front, surrounded by blue oaks.

Rec'd Stover
1947

sept 9 3½ mi. E, ½ mi. N McChesney Mt., 1900', San Luis Obispo Co., California

Remains of the meat shack - Dario Martinez

The Dario Martinez Cabin

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Sept. 9 3½ mi. E, ½ mi. N McChesney Mt., 1900' San Luis Obispo Co., California.

The remains of the Davis Martinez canal.

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Sept 9. 3½ mi. E, ½ mi N McChesney Mt., 1900', San Luis Obispo Co., California

close up of the Davis Martinez cabin.
a sceloporus lived in the abandoned
stone in the foreground.

Sept 9. 3½ mi E, ½ mi. N, McChesney Mt., 1900 ft., San Luis Obispo Co., California.

year must be the low point floristically & possibly even faunistically. The great abundance of screech owls in the live oak woodland is striking. As is the way Eriodictyon crassifolium in the burned over area. Stopped at willow Canyon on the way out to the San Ponza ranchhouse in order to investigate a spring where McMillan says Mt. Quail come to water. Then headed for the Carrizo Plains up some foothills covered w/ scattered Junipers. While looking around for a bat came McMillan told us about the left front wheel came off the Dodge truck. Camped in plowed field while various persons made various trips to McKittrick, Taft & Bakersfield for a mechanic & Parts.

Sept. 10. Still camped. Birdlife dull only Horned larks, a sparrow hawk, Turkey Vultures, & many ravens. Finally left about 4 p.m. & Drove into McKittrick - shopped ate supper & drove North 2 miles & camped off the main road beside a gulley w/ running water w/ an oil film on top of it. The vegetation consists of 99% Atriplex and a shard dry grass. Set 107 traps baited w/ oatmeal, 7 paces apart in the hardpan & scattered atriplex w/ much grass to the West of camp. Heard barn owl call retired 9:30 pm.

Sept 11 Traps yielded specimens 727-730 incl. plus. 2 ♀ im. Dipodomys heermanni, 1 ♀ im. D. nitratoides, & 1 ♀ very im. P. maniculatus. Traps in 100 traps in loose sand & taller Atriplex north of camp yielded 9 0 mammals! Hunted til after 8 a.m. Ball's pocket gophers, Leconte thrashers, & Calif. Quail are the dominant wild species here. Also saw Horned Larks, Brewer Blackbirds, ravens & Rodrunners. Little variety and few individuals.

Sept. 11 2 mi. N. McKittrick, 700 ft., Kern County, California.

skinned until after 4 p.m. Set out 107 traps in the area to the north of camp where the Atriplex is taller, the soil looser & the grass less plentiful. Ran 30 traps about 8:30 pm - yield 1 Onychomys & 2 Dipos.

Sept 12. Traps yielded a total of 19 mammals including the 3 found the night before. These included the 9 skinned plus 4 Dipodomys nitratoides (1♂ + 3♀ imm) and 6 D. heermanni (3♀ 3♂). Hunted til 8 a.m. missing many thrashers and 2 Sage Sparrows. Both species are in song. The latter reminds me of a meadowlark somewhat although it is not so loud & has more of a sparrow quality. Also saw killdeer, Red tail, hawk, alder flycatcher. Skinned until 4 or so when Tom McMillan & son, Carl Tavissel mann & Carl & Mary Koford showed up. Set out 104 traps before dinner & after dinner drove the road from McKittrick almost to Buttonwillow & back in a triangle looking for snakes but found none. Had beer & hamburger in town & came back to camp about 9:45. Looked over 15 traps or so (nights).

Sept. 13 Ran trap line - besides 2 Perognathus skinned got 1 Reithro. (♀ no emb.) 2 Peromyscus maniculatus [1♂ 1♀ ε 4-17 mm. embs] 4 Dipodomys heermanni [2 ad 1 imm ♂ and 1 imm. ♀ no emb] and 1 D. nitratoides [ad ♀ no emb]. This is the only place so far where the dipos have been breeding. Both species have the testes of the ♂s in the scrotum in most cases and some of the others have formed embryos. Both Dipos and Perognathus have had grass seeds almost exclusively in their cheek pouches. (Collected a sample of the grass and also 2 of Atriplex this morning.

RW Storer
1947

Sept. 13. 2 mi. N McKittrick, 700'; Kern Co., California

Camp. in the Atriplex. Oil wells and the Temblor range in the Background.

RWStover
1947

Sept. 13 2 mi. N McKittrick, 700', Kern Co., California

Stream near camp. Atriplex is the dominant plant.

Sept 13. 2 mi. N, McKittrick to .8 mi W 3 mi N, McKittrick, 2100 ft., Kern Co., California

skirted the Pleasant Valley & Buena camp leaving around 10 am. This camp is remarkable for its ecological uniformity esp. in the nature of the flora - Atriplex & grass and the Artemisia - sagebrush. Lizards, kangaroo rats & quail predominating. In contrast to this the mammals are abundant and varied. Besides those collected there were jack rabbits, cottontails, & Ammospermophilus. Here again dragonflies were quite numerous and quite a few small praying mantises flew in around the coleman lamp at night. Theme song of this camp - the Waltz from "Coppelia" which has since been made into a popular song. Drove to McKittrick to get groceries, etc and thence up into the Temblor Range. Went in gate to Temblor Ranch & down the canyon toward the Ranch house. The ranch is owned by Carl Twisselmans, brother-in-law of Jan McMillans. Made camp in a dry wash or rather canyon at 2100 ft. on the east side of the Temblor Range. In the canyon bottom where we camped the dominant tree species is Prunus ilicifolia which is a very dense small tree 20-25' high and more in fruit. It is associated w a shrub - 10 ft. high w blue drupes - possibly also a Prunus (will collect.). and to a lesser extent Sambucus glauca. The more gentle hill sides & esp. north facing slopes have a sparse growth of Blue Oak which here has an unusual growth form being relatively low & spreading. Sometimes these trees are associated w Juniper which is also common esp. on N. facing slopes - even the steeper ones. The dominant brush type is Haplopappus which dominates

Bunstows 1947

Sept 13 8mi. W, 3mi. N McKittrick, 2100ft., Kern Co., California

on some steep hillsides. In other places there is an even, sparse growth of Eriogonum and ..... with some ----- ....., Birds are abundant in the canyon bottom probably due to the fruit and to the water from the tanks farther down the canyon. After lunch went out & shot birds. Besides those skinned I got a Black-throated Sparrow, Amphispiza bilineata which was in the height of the moult and too badly shot up for even a skeleton. In the evening set 75 museum spec. traps on east-facing slope of small side canyon to North of camp. The traps were spaced 7 paces apart in an almost pure stand of Hapl[illegible]appus. After supper had a swim in the tank down the canyon. Saw a few bats but didn't get a shot. Also heard Screech owl.

Sept. 14. Ran trap line before breakfast yielded 18 Perognathus californicus (9 ♂, 9 ♀ no sex.) and the tail of another. Also 3 Peromyscus maniculatus 2 ♂ 1 ♀ no sex, 1 P. true ♀ (4-20 mm ear) and 1 ♂ Dipodomys. The abundance & dominance of Perognathus is new in my experience. They were seeds in the cheek pouches mostly a small brown dicot. seed but some grass & a few Haplopappus seeds. Did mammals til noon then went out after birds. Collected Mocking bird & 2 Bells Pansons & 1 Brown Towhee near camp. In late afternoon set out 36 Museum Special traps on West facing slope (7 paces apart. Walnut bait). Opposite slope I trapped last night. Here the surface of the ground is almost all brown shale with some small scattered brush - Eriogonum and some small composites.

Reostock
1947

8 mi. W, 3 mi. N McKittrick, 2100 feet, Kern County, California

Sept. 14 Also set 3 rat traps under more or less isolated Blue oaks near the bottom of the side canyon near Woodrat nests. The woodrats here use a variety of materials in their nests - one up in a blue oak used pieces of dry cow dung mixed in with sticks and one at the base of an oak used pieces of shale up to perhaps 3" long. After supper looked at woodrat sets found 1 young caught - reset trap & went to stock tank for a swim on way down shined & shot a cottontail upon return found an ad. ♀ woodrat in same trap that caught the young ♂ previously - again reset trap & so to bed.

Sept 15. The same woodrat trap that caught 2 last night yielded a Peromyscus truei in the a.m. this was somewhat peculiar as the trap was about 3' up on a horizontal limb. One of the other rat traps had another young woodrat & the 3rd was springed but empty. [As usual I used walnuts for bait for woodrats]. The 36 traps yielded 4 Perognathus (3 ♀ + 1 ♂ - No ovul) and 2 Peromyscus maniculatus (both ♂s). Spent most of the day skinning last night's catch also one of 4 Spilogales which Bill Salt caught in 6 Schnyders baited ☆ bits of mice. Interrupted breakfast to get a Pharmiopepla which was calling nearby. Esophagus had berries of (Fourlinia?) in it. In p.m. collected a Jay & 2 brown towhees near camp. Set out no traps in the evening.

RWStorer
1947

Sept. 16 Temblor Range, 14½ mi W, 6½ mi. N McKittrick, 3500', Kern Co., California

Top of the Temblor Range. Scrubby Blue oaks, Juniper & Haplopappus. San Joaquin Vy. in background.

Same as above.

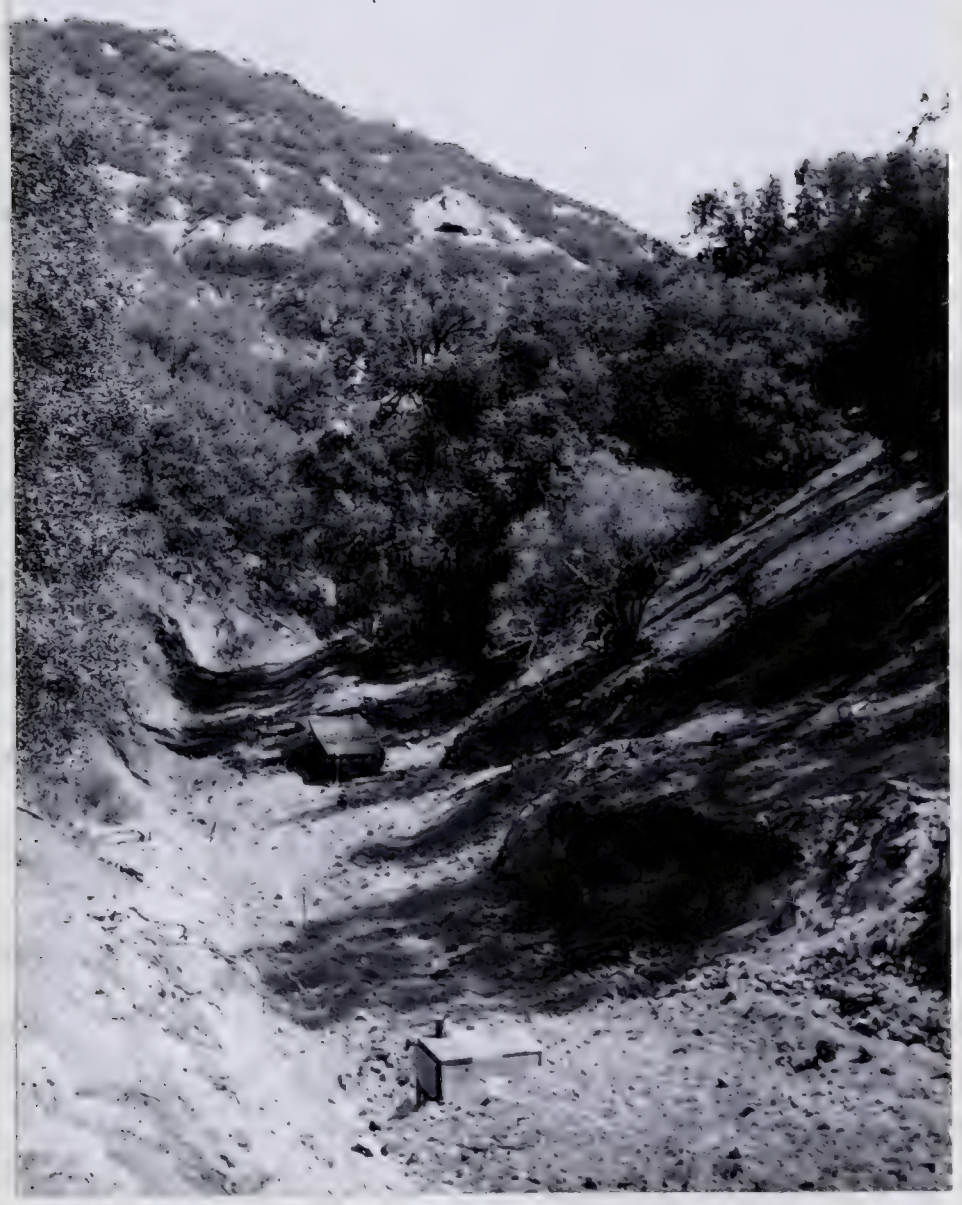
RWStorer
1947

Sept. 16. Temblor Range, 14½ mi. W, 6½ mi. N McKittrick, 3500', Kern Co., California

Manzanita, scrub oak, Salvia, Ceanothus, Eriogonum, Ephedra, Haplopappus & Juniper, most of them collected at this spot.

RWS tower
1947

Sept. 16. Temblor Range, 14½ mi. W, 6½ mi. N McKittrick, 3500', Kern Co., California



watering trough where I collected a number of birds. Manzanita on the left (North) and Blue Oak on the right.

Rowston
1947

8mi. W, 3mi N McKittrick, 2100 ft., Kern Co., California

Sept 16 after breakfast the four of us drove up near the top of the Temblor Range to a point 14½ mi W & 6½ mi N, McKittrick at an elevation of 3500 ft. The upper parts of the range are essentially similar to the oak-Juniper-Happlopappus around camp but there are no Pinus sabiniana and its associated species and there is in some places an association dominated by Manzanita (2 kinds) in a rather thin chaparral. Associated species were Ceanothus, Scrub oak, Ephedra, Eriogonum & Salvia. [I took samples of all. for identification as to species see Plant list.]. The birdlife here was also essentially the same as at camp. In 45 minutes by a spring I collected 9 birds (all collected exc. Warbling Vireo) and saw a number of others such as Chipping & Lark sparrows and bluebirds which I didn't try to get. Started back about 10:30 & spent the rest of the day skinning the birds. In the evening set 4 schuyler traps in dry wash around camp. Used parts of a Jay for bait. Before going to bed I found a wood rat in one but the skull was neatly bashed across the middle. Reset trap & retired.

Sept 17 Schuyler traps yielded 1 meadow vole and one Peromyscus maniculatus - quelle denouement! Went down canyon to seeps & collected birds there saw also a Hummer (sp?). We are especially anxious to complete our series of Col. Jays and Brown Towhees. The wind (West) which was rather strong on top of the mountain yesterday seems to be gathering force

RWStorer
1947

Sept. 17 8mi W, 3mi. N McKittrick, 2100', Kern Co., California.

Temblor Ranch - side hill south of camp - scattered oak, Juniper and Haplopappus characteristic of this area.

RW Stover
1947

Sept. 17 8 mi. W, 3 mi. N McKittrick, 2100', Kern Co., California.

side canyon where I trapped Perognathus in numbers. looking north camp at left in Prunus and Forestiera, Neotomas trapped in oaks beyond and Perognathus in Haplopappus on left (East-facing slope.

RW Storer
1947
Sept. 17 8mi. W, 3mi N McKittrick, 2100', Kern Co., California.

thicket of Fouquieria & Prunus ilicifolia in middle distance. These plants were characteristic of the canyon bottom. South facing slope of canyon - rather barren & ~~eroded~~ erosion gulley.

RWStorer
1947

Sept. 17 8mi. W, 3mi. N McKittrick, 2100', Kern Co., California

Watertanks at Temblor Ranch! Prunus nov. sp.

Juniper and Haplopappus on hillside (N. facing).

Postcard
1947

8 mi. W, 3 mi. N Mc Kittrick, 2100 ft., Kern Co., California

Sept. 17 Set up tent & did some packing up after we finished skinning. In the evening went to the Tunnichmans for dinner of Venison steaks. It was particularly nice to get out of the cold damp wind blowing down the canyon. Retired partly under a Tarpaulin.

Sept. 18. Breakfasted & broke camp leaving by 6:30 a.m. Left Salt & Dalrael at the La Panza ranch & drove over the mountains to Pozo to return gas to the forest rangers. It must have rained here in the night. There is a fine beach along the top of the mountain which would be a good way to reach the coulter Pines a little south of the road over the top. Drove back to shandon via the "metropolis" of Creston with the usual 3 or four characters - half dead - holding up the front of the store. Stopped at Dan Mc Millans where we met the others and after a short visit left about 10:30. Had lunch at Paso Robles where we left Bill Salt & drove back to Berkeley taking turns driving the trucks. Arrived about 6:30 p.m. after dropping P. Dalrael & J/6 in Alameda. Future field work would be advantageous in this country - especially in spring on McChesney Mountain. The Dario Martinez cabin - for instance - would be a particularly attractive place in april or so - when the vegetation is at its best (according to the McMillans) and there would be a chance of finding such things as Black-chinned Sparrow.

Starer, R. W.

Species accounts

Reptiles

Birds

Mammals

Reptiles

RLStorer
1942

Sceloporus microlepidotus

Museum of Vertebrate Zoology, Berkeley, Alameda Co., Calif.
February 11, 1942

A series of this species from around Mexico City and another from the slopes of Mt. Popocatepetl are very different in appearance although Hobart Smith includes both in the same race. The lizards from the valley of Mexico are larger and have their markings all but obliterated. Those from the mountain are very clearly marked and smaller. It would be admirable to study the scutellation and other characters to see if the two are actually different forms.

R10 Stover
1942

Anniella pulchra

Carmel, Monterey Co., Calif.
March 7, 1942

Upon arrival at the William home in Carmel, I was shown a specimen of Anniella which Saidan had found in his mother's garden (sandy loam) near the beach. Mrs Williams said that she had seen it bury itself tail first in the sand while Mr. W. said that it always went in head first. The lizard was removed from the sand of the aquarium and let go on the surface. Being a tactful beast, it stuck both head and tail into the sand and then proceeded to bury itself head first.

They seem to be not rare in the more sandy places in this vicinity.

RWStorer
1942

Diadophis amabilis

Head of Strawberry Canyon, Berkeley, Alameda Co., Calif.
March 1, 1942

Saw Walt Dalquest catch two small Diadophis under small rocks (6" in dia @) on hillsides with many small rocks and sparse grass. This was quite unlike their habitat in Sonoma Co. and in New Jersey where I have found them in well wooded hillsides.

Rev Stones
1942

Contia tenuis

Head of Strawberry Canyon, Berkeley, Alameda Co., Calif.
March 1, 1942

I found a small snake of this species coiled up under a small rock near the top of a hill. The rock had not been in place long, and there was considerable dried grass under it. At first glance, the snake looked like a large Batrachoseps but was rather brighter red on the back and had the red of the back bordered by two brighter red bands. The snake was about 6" long and torpid when found. Walt Dalquest found one under very similar conditions about a week ago. It was also under a small rock with dried grass under neath it.

RWStorer
1942

Thamnophis ordinoides

Museum of Vertebrate Zoology, Berkeley, Alameda Co., Calif.
February 11, 1942

A specimen of this species (M.V.Z. # 37118) collected by Ted Storer at The San Joaquin Experimental Range, O'Neals, Madera Co, Calif. although within the range of couchii as defined by Fitch appears closer to gigas. 10 infralabials, 172 gastrosteges, and 23 scale rows. The specimen is an immature one (sex?) The dorsal stripe is almost gone. It was put under couchii on the basis of range but the intergrades mentioned by Fitch should be reworked. It seems likely that gigas extends farther eastward than he says.

Birds

RW Storer
1944

Black-footed Albatross. 1.

Nov. 5. "U.S.S. Natrona", Richmond to 35 miles W. Farallon Is & return - San Pablo Bay & Pacific Ocean.

Saw four about 9 mi. west of the Farallons & one about midway between the Farallons & the coast.

Nov. 13. "U.S.S. Neshoba", Richmond to 30 mi. W. Farallon Is. & return - San Pablo Bay & Pacific Ocean

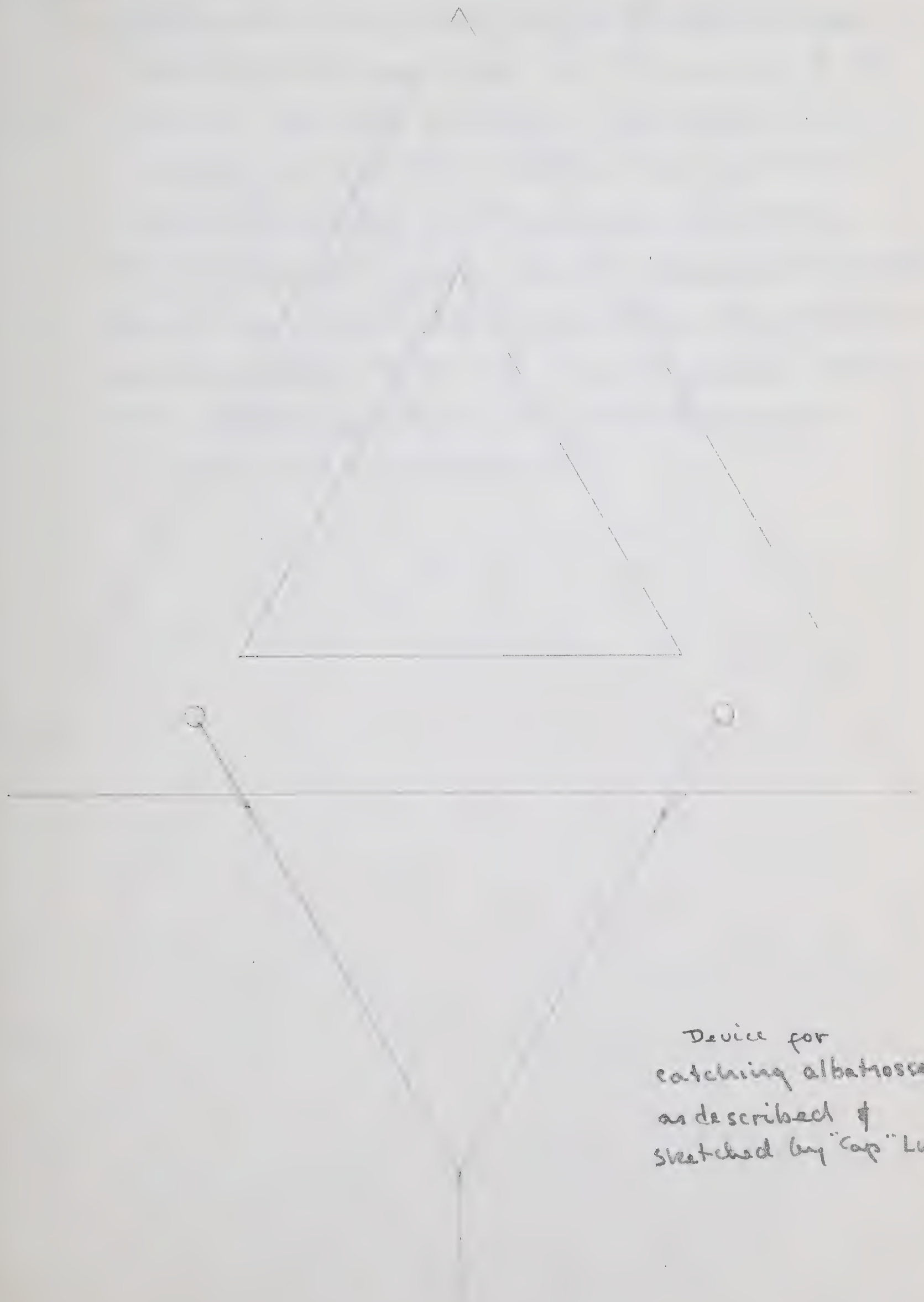
Watched three albatrosses following in the wake of the ship about 12 miles west of the Farallones. The birds usually kept a ships length or more behind us but once one came fairly close & I could see the light face. often in gliding they would droop their wings in a rather sloppy manner. Then they would sometimes straighten their wings & bank appearing about the navigation lights.

Captain W.H. Lueder tells me that when he was at sea, they used to catch albatrosses by cutting out a triangular piece of sheet metal, similar to the one shown on next page.

Rostock
1944

Black-footed Albatross

Nov 13. "U.S.S. Neshoba" Richmond to 30 mi W. Farallon Is.
& return - San Pablo Bay & Pacific Ocean.



Device for
catching albatrosses.
as described &
sketched by "Cap" Lucas.

Nov. 13 "U.S.S Neshoba" Richmond to 30 mi W. Farallon Is. & Return - San Pablo Bay & Pacific Ocean

Salt Pork is ~~tied~~ tied in the center & the line is towed astern. An albatross in trying to get the salt pork gets his beak caught in the open part of the triangle and can be hauled aboard. Once on board, (he says) that the albatrosses are unable take off and become "sea sick." The latter must be the well-known ejection of stomach oil.

Rec'd Stover
1945

Blacks-footed Albatross

Jan 13. "S.S. Muncie Victory", Richmond to 15 mi W. Farallon Is. & Return, San Pablo Bay & Pacific Ocean.

Saw a total of 7 albatrosses as follows: 1 just SW Farallons, 3 about 7 mi. W Farallons & 3 about abreast of the Farallons. It would be impossible to say whether these were all different birds or not as they did not appear to follow the ship. They would cross the wake three or four times about 2 or 3 ships lengths behind us & then wander off. Three birds were seen at once on two occasions.

Jan 27. "S.S. Beatrice Victory", Richmond to 15 mi. W. Farallon Is., San Pablo Bay & Pacific Ocean

5+ miles W. Farallones I saw one Albatross flying quite a way off. It came up to another which was on the water near what looked like some kelp & lighted. Saw one more about 7+ miles W of the Farallones.

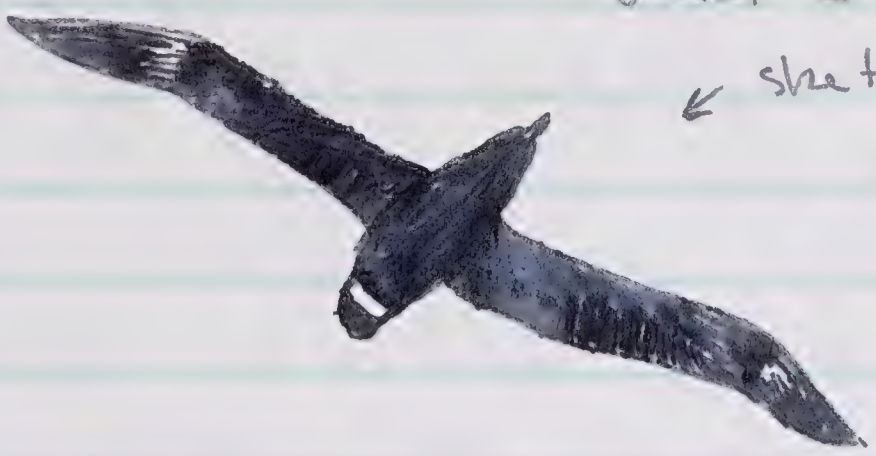
Feb. 27. "S.S. Middlebury Victory", Richmond to 15 mi. W. Farallon Is. 2
San Pablo Bay & Pacific Ocean

10 AM on way out 5 mi E Farallones saw single Albatross. 11 AM. Turning circle test. 10-15 miles W. Farallones saw two albatrosses one black & the other with a narrow band of white on the rump and a light patch at the base of the primaries. This was the first light

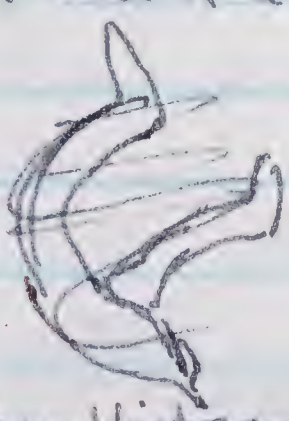
RWStorey
1945

Black-footed Albatross.

Feb 27 "SS. Middlebury Victory", Richmond to 150 mi W Farallon Is. & return, Sausalito bay & Pacific Ocean.



bird I had seen (see sketch). (from above) at noon a little way inside the Farallones I saw three albatrosses, 1 white-rumped (like sketch), one dark, and one solid color but paler than the last. Two of these may or may not be the same that I saw an hour earlier, as their manner of coming close to the ship & then going a half a mile or more away makes it difficult to follow them. In the high wind, they were much more at home than the gulls but bent their wings more than usual.



March 20 "SS. Fordham Victory" Same itinerary. Saw several white rumped birds & one which appeared to have white under tail coverts & dark upper ones. also a bird - all dark - but paler than the others.

Black-footed Albatross

April 20 "S.S. Mills Victory", Richmond to 5 miles W. Farallon Is, & Return, San Pablo Bay & Return.

Saw #10 (3 at once - rest singles) including 2 or 3 white-rumped birds. The first was near the light ship as was the last. The wind was relatively light and the birds flapped more than I have ever seen them flap before. Two (separately) came to within 100 yards of the ship.

April 27 "S.S. Tulane Victory", Richmond to 80 miles W. Farallon Is. & Return, San Pablo Bay & Pacific Ocean.

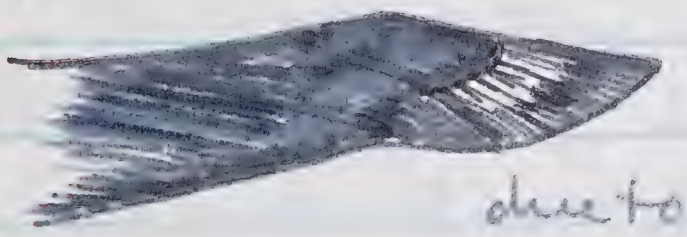
First albatross seen while were about abreast of the Farallones & the last on the way in about 5 miles south of the Farallones. The most I saw together was 5. At one point we came upon four sitting together on the water. This was about 11:35 when we were 20 miles or so west of the Farallones. One of these birds was light underneath thus↓. The white of the breast faded gradually into the grayish brown of the throat & upper breast. The white at the base of the bill was present as usual but the white on the rump formed a wider

Rustoleum 1945

Black-footed Albatross

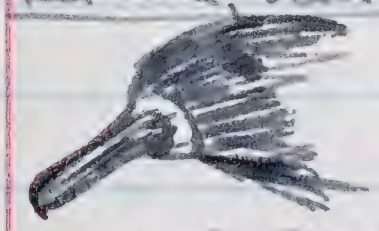
April 27 "S.S. Tulane Victory", Richmond to 80 miles west of Farallon Is., & Returns, San Pablo Bay & Pacific Ocean

band than usual. The central part of the side of the bill was pinkish. The bird followed us for four hours but seldom came close enough to get a really good view of the pinkish bill or the white around the base of the bill. This bird probably represents the extreme amount of white in the underparts for this species.



The light spot near the tip of the wing is due to light primary shafts and is fairly conspicuous.

May 11 "S.S. Trinity Victory", Redmond to 5 miles W. Farallon Is, & Returns, San Pablo Bay & Pacific Ocean



angle of bill when bird is in flight. Overhang fwd & aft about equal. Decided bulge at sternum & taper fwd & aft.

May 29 "SS Lafayette Victory"
June 5 "SS Hunter Victory" same route as above

Several birds seen on both these trips appear to be moulting. In one case a primary or two were missing & in several there was a marked contrast between the dark new feathers & the faded old ones.

May 5. "S.S. Alfred Victory"

a total of fifteen albatrosses in sight at once between 7 & 10 miles west of the Farallones.

Approximate position of bill in normal flight →

June 26. "S.S. Adelphi Victory"

First albatross seen 2.75 miles west of point Bonita. The closest in to date. About 7 miles beyond the Farallones saw a white-rumped albatross (which was moulting) sitting on the water eating a pink fish 8 or 9" long. A gull lit nearby but the albatross ate the fish without interference.

Rio Stories
1942

Duck Hawk.

Point Lobos, Monterey Co., Calif.

March 7, 1942

Bird soaring motionless near top of one of the peaks on the point. Sketched from memory March 8, 1942 Wings bent and bird headed into the wind. The bird was rather heavily barred and called quite often, as though it were near its nesting ground. Judging by size, I suspect that this bird was a female but could not be sure. We were unable to see any nesting ~~site~~ site from land & it is possible this is on the cliffs on the seaward part of the north coast of the point.

RWStorer
1942

Falco sparverius

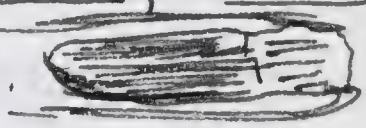
2420 Channing Way, Berkeley, Alameda Co., Calif.
June 24, 1942.

I have noticed a pair of sparrow Hawks around Telegraph Avenue between Channing Way & Haste Street for some time. On June 21, I saw the ♀ enter a hole about 6" x 6" in the face of the ~~bu~~ building in which Hagstrom's food Store is located. The building is built of brick and there are two vertical series of 6 holes ea. of this size on the front of the building. The nest is in the fourth one up in the more northern row. To-day, I saw the ♀ entering the same hole with food for the young. I could not make out what the food was. The ♂ occasionally uses the large sign on the Medico-Dental building as a perch & eats there. There are at least five other series of holes on the sides and back of the building in which the nest is located and it is odd that under the circumstances the hawks should nest on the busy street side.

Rowston
1947

Otus asio

Sept 9 3½ mi. N, ½ mi E, McChesney hut, 1900 ft., San Luis Obispo Co., California.

This species is quite thick about the Martinez cabin. We have taken 4 to date and have heard at least one more. The blue oak woodland & ~~scrub~~ grass underneath must be quite a favorable habitat for them. The two I collected had 3 stenopelmatus (in 1) and 1 stenopelmatus, 1 camel cricket, & 1 beetle about ¾" long, brown (reddish).  about this shape. The birds call once or twice shortly after sunset & then are silent - presumably feeding until 7:45 or 8 when they start calling - the fairly high, even till. They also call in the small hours of the morning and again about dawn. But relatively speaking they call little and are rather hard to get to call back.

Rlostoner
1942

Dusky Poor-will

2420 Channing Way, Berkeley, Alameda Co., Calif.
June 27, 1942

Last night from 10:50 PM to 12:50 AM, I took a walk up strawberry canyon, going up orchard lane to the Top of Panoramic Way, thence to the top of the hill above this and around the upper road around the canyon to the top of the hill above the botanical gardens, down this to the paved road and home via Canyon drive. It was a bright night with a full moon. I heard a poor-will calling from the upper end of the canyon while I was still almost half a mile away. At a distance, the call sounds like two clear whistled notes — — with no slur inbetween. When I got closer the slur could be heard —⌐ and when very close a third note on the end was evident —⌐‾ It resembles the first note of a whip-poor-will's call & is a low rattling sort of trill. In the upper part of the canyon, I saw one on the road. I approached and as I got about 12 feet away it would rise and flop like a large moth a few feet down the road uttering a low rather mellow note somewhat like that of a robins "quit-quit-quit-quit" alarm note but

RWStoner
1942

Dursley Poorwill

2420 Channing Way, Berkeley, Alameda Co., Calif.
June 27, 1942

lower and much softer and slower. & flushed it several times and once it flew low over my head as if curious. When it settled in the road again, I sat down and waited several minutes but it didn't move. Finally I left & and it flew over me again uttering the low note it used whenever I flushed it.

RLOStorer
1942

Allen's Hummingbird
(Anna's Hummingbird)

March 21 U.C. Campus, Berkeley, Alameda Co., Calif.

11:00 AM to Noon. Near NW Corner of the M.V.Z. watched a ♀ Allen's Hummer come to a young (10') Horse Chestnut tree (Aesculus hippocastanum) and probe around the new shoots which were just coming out. At first I thought she was after insects and after she flew off I went to the tree to look for aphids on the shoots. I saw none and then thought she might have been after the mfous woolly material which covers the new stems and petioles. In a few minutes she was back and I watched her closely while she gathered a small ball of this material and flew off with it. I tried to follow her but she disappeared in the Eucalyptus grove to the west. She repeated this two or three times more, and once while I was watching a ♀ Anna's Hummer came to the tree

and also collected a ball of this material and flew off to the WSW to a Calif. Laurel tree. This was undoubtedly used for nesting material

Rwstover
1948

Bank Swallow

July 31 5.5 mi. N Moss Landing, Monterey County, California

Went ē Mr. & Mrs. Anderson of the Monterey Audubon Society to check up on a Bank Swallow colony which they found in late June of this year. The colony was reached by travelling north on the road from Castroville to Santa Cruz for a distance of 3.4 mi. North of the bridge over Elkhorn Slough, turning left proceeding for .8 mi, turning right proceeding for .5 mi, turning right & proceeding .4 mi. The colony is in a soft sandstone bank perhaps 15' high on the left side of the road. The sandstone is soft enough to excavate easily ē ones fingernail and is honeycombed ē over 200 holes, most of which Mr Anderson said had been occupied during the earlier part of the season. On this date only about a dozen birds were to be seen flying about and one fledged young in the entrance of a burrow. This bird soon took off & joined the others in flight. The andersons said they had seen no Rough-winged Swallows there but showed me a Kingfisher hole in the same bank. The bank faces east and thus would photograph best in the morning.

RLStorey
1942

Purple Martin

Big Sur Redwoods State Park, Monterey Co., Calif.

April 25 & 26

A large, dead redwood on the northside of the valley was evidently the nesting place of several pairs of Purple martins which could be seen entering and leaving the several holes in the top of the dead stub. I saw no more than 5 at once but think that there were several pairs at least. It was a great pleasure to hear their rich song again.

RWStorer
1944

Red-breasted Nuthatch.

February 10 — Univ. Calif. Campus, Berkeley, Calif.

5 PM — Saw a brightly colored bird of this species with somewhat more rufous underneath than usual. The bird was working on a hole about 2" in dia. in a branch of a Monterey Pine (P. radiata) 100 yd. W. of the Hearst Mining building. The hole was a natural one where a branch had been broken or cut off. The wood was evidently rotting and a few small flakes floated to the ground while the bird was working. I don't know whether the bird was excavating a roost or nest site or just after food. However, it will be worth while following up.

February 18 — Frank Pitelka says that Joe Marshall found a brood of young in the Eucalyptus grove just west of L.S.B. last summer or the summer before, but failed to record it.

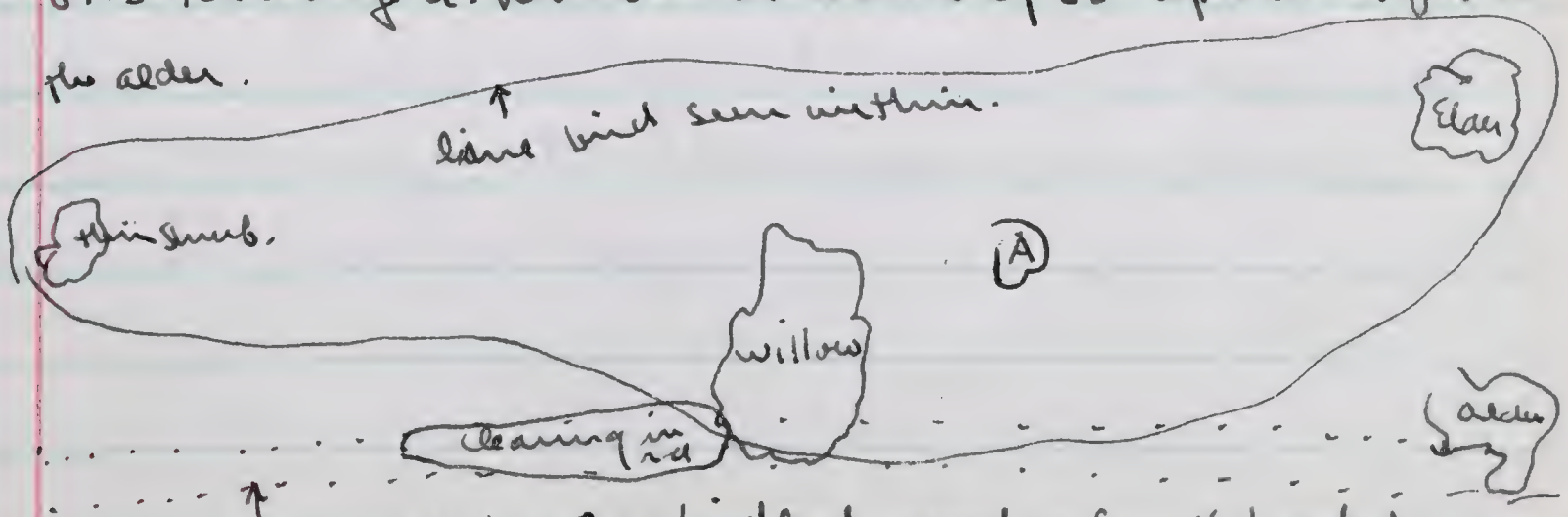
RWStorer Townsend's Solitaire 1.

Museum of Vertebrate Zoology, Berkeley, Alameda Co., Calif.
April 14, 1942

This afternoon I went to the home of Mr Andrew S. Gibb, 2604 Shasta Rd., Berkely to see his guillemot movies and he was able to show me two Solitaires in his garden. I saw one very well and am sure of the identification. They gave a single rather rich call note + I watched them drink at the bird bath and eat Pyracantha berries. According to Mr. Gibb, the birds have been in this canyon for five or six weeks.

March 22 Strawberry Canyon Berkeley, Alameda Co., Calif.

7:25 AM. arrived at observation point on old road on north facing slope opposite the Poultry lab. Several birds heard singing between the head of Canyon drive (beginning of campus) and this point. One ♂ singing in willow (5 songs running) on west end of clearing (=open space in road) Sang, and foraged in willow until 7:39 when a second bird came in from the west and the two flew off west. 7:40 he appeared 50' uphill and 25' E of E end of clearing in a thin bush 10' high. Sat in open perch, singing, for 2 min. & returned to the willows. [Both sp. Hummers, Cal. Quail, Sp. Towhee, Wren-tit, & Bewick's wren all singing or displaying not far away. Bush-tit and Ruby-c. Kinglet also nearby.] Left willow at 7:51. Two minutes later heard singing in chaparral uphill and to the W of willow - maybe 25' beyond. Had worked his way back to willow by 7:55. Examined the willow (♀ with well formed but still green seed pods) for insects and collected some small dark green beetles and a small bug (Tingid?) About 8:09 a Cal. Jay appeared in the top of an alder 75' W of the willow but the Warbler paid no attention to it. It left soon & a Pileolated Warbler sang from near the alder. About 8:15 the Orange-c. moved to an elderberry 50' uphill (S) from the alder.



I left at 8:20 bird had moved to small shrub. A-

RWStorer
1944

Linnet

May 26 Richmond Shipyard Number Two, Richmond, Contra Costa county, California.

11:30 to 12 N. Was taken by Earl Rose, the yard photographer from yd. one to yd. two to identify some birds which were nesting on top of the scaffolding on way one where a victory ship was being built. After waiting about half an hour, both parents (linnets) appeared & fed the three young which were about ready to leave the nest (according to Mr Rose they left on the 27th). The nest was on a board between two upright boards (2"x4" on 4"x4") and about 60' above the ground. It was 3 to 4 feet from a board walk where workmen passed all day & night. With the constant noise of riveting & clipping & lights at night it is remarkable that the nest was successful. The nest was at about the main decks level, near the stern of the ship & on the East side. i.e. toward way 2 which was perhaps 60 feet away. The photographs were taken by Mr Rose on May 25.

Rwstover
1944

Linnet.

2.

Richmond Shipyard #2, Contra Costa Co., Calif.
May 25. Photograph by Earl Ross.

Rex Storer Linnet 3.
1944
May 25 Redwood Shipyard #2, Contra Costa Co., Calif.
photograph by Earl Ross.

RWStorer
1942

Grasshopper Sparrow

Berkeley Hills, Contra Costa Co., Calif.
June 20, 1942 7 to 9 AM

While hunting skinks on a hill about 2 miles SE of Grizzley Peak with Tom Rodgers, Jan McT Cowan, Joe Marshall, Milton Hildebrand, Viola Hemmler & Janet Failla, I heard the characteristic song of this species. The birds were in tall grass on the eastern slope of the hill. We tracked the song down and saw two and heard at least three more. This must be a breeding colony. The grass they were inhabiting was not as dry as most on the hillside, being in more moist pockets. Joe tried to collect one but was unsuccessful.

Mammals

Rowstorer
1944

Sorex ornatus

1 mi SE San Benito Peak, 4400'; San Benito Co., Calif.

Trapped three specimens of this shrew, one each on the nights of August 7, 8, & 10. The one caught the 8th was caught very close to 9 PM as we heard the trap go off and went to investigate finding the shrew. In each case the bait was fresh walnut meat moistened in the mouth & squashed on the treadle of the trap & all animals were caught on damp ground near the stream & under the dwarf willows (Salix breweri) which grew there. (3 shrews caught in 190 trap/nights) = 63.3 trap/nights per shrew.

Myotis californicus

Botanical Garden, Strawberry Canyon, Berkeley, Alameda Co., California.

February 14, 1943

About 2:30 PM while in the Botanical Gardens, I was in the vicinity of a small tool shed facing the canyon & on the SW part of the gardens when I heard some squealing which I traced to some bats under a flap of tarpaper covering the front corner of the peak of the roof. I collected two and a third one retired to a crack in the ridgepole where could not reach it.

Both were ♀'s with no embryos.

The wing out lines are shown on the next page. Wing areas measured by a planimeter at Richmond Shipyard #2. from tracing

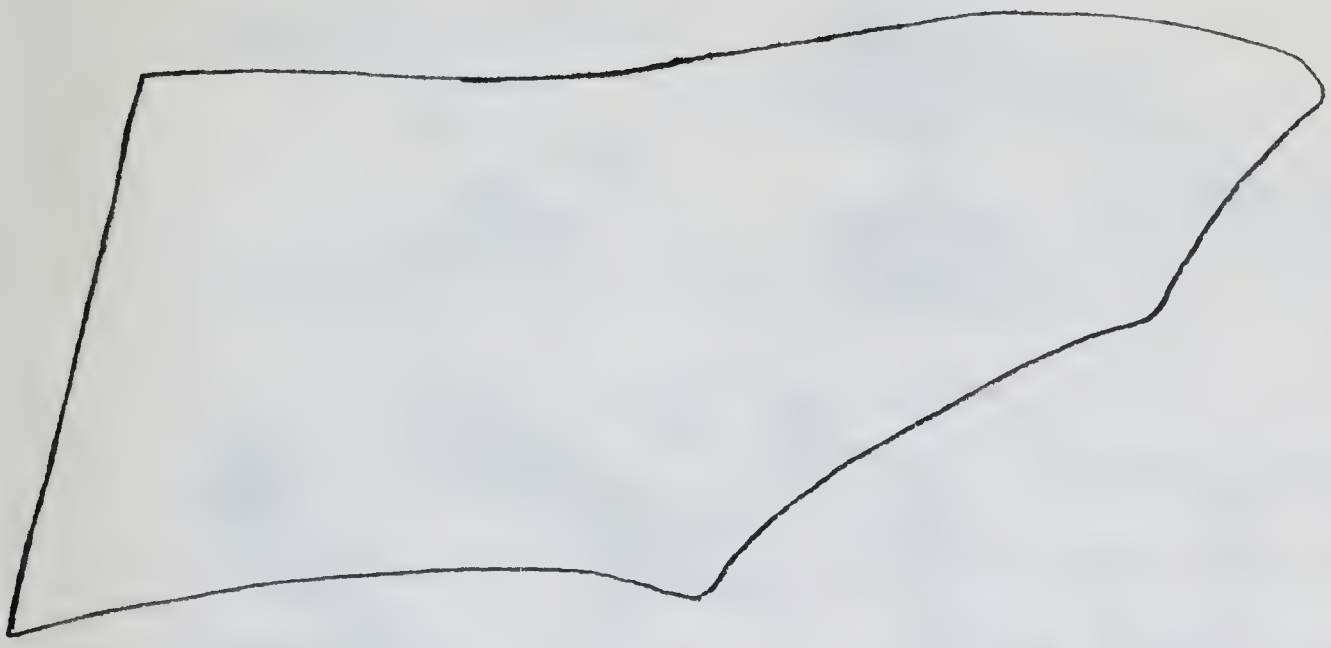
Mrs Grinnell (Feb. 19, 1943) says she recalls no other winter record for this area.

March 14, 1943 3:45 PM.

one Myotis still in roost under tar paper but retired to crack in ridge pole b/c I could catch it to band it. Took pictures of shade & roost.

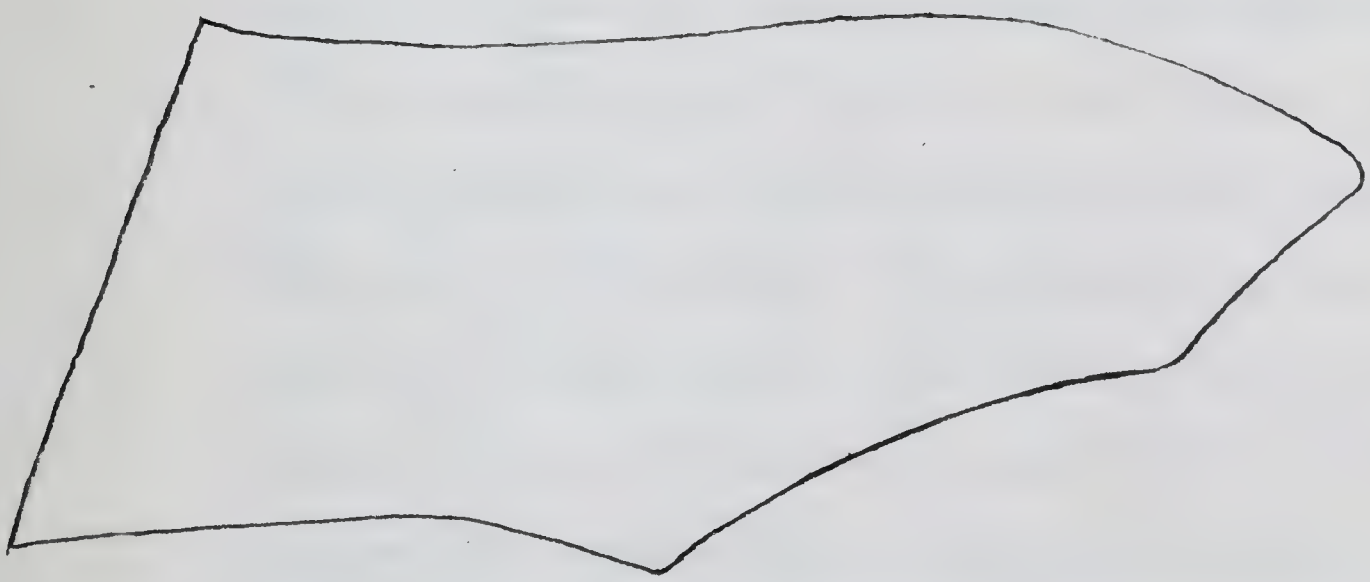
RW Storer
1943

myotis californica



428

wt. 3.9 gm.
area. 4.77 sq. in.



429

wt. 3.65 gm.
area. 5.15 sq. in.

Rhoads
1942

Sea Otter

10± mi. s. Big Sur River, Monterey Co., Calif
March 8, 1942

Three groups of Sea Otters seen in the kelp near shore about 10 miles south of the mouth of the Big Sur River. The first group was of 6 adults and one young. The next of 3 or 6 adults about ¼ mi. south of the first. about two miles below these there was a large adult with a white head and a ½ grown young (These were sketched). The otters in the first group were very quiet. Lying on their backs and rarely rolling over slowly. The last (♀ + young) were more active. Saw the ♀ often take the young on her stomach and swim with it. Then it would leave it and dive down & come up with things that might have been skull fish. Once it held one of these objects and with both paws and repeatedly beat it against her breast. It did not feed the young. Before diving it remained with its head only out of water (A) like Phoca, It done quickly and apparently effortlessly.

RIOStoten
1942

Sea Otter

Torre's
Pt. S. Torres Canyon, Monterey Co. California

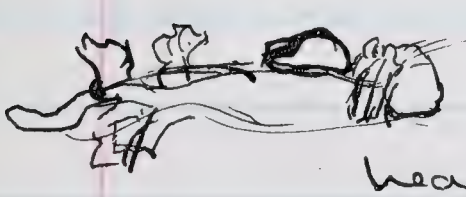
April 25, 1942

A herd of 45 to 50 adults with about 10 or more young in a condensed patch of kelp. I counted 15 adults with white heads. Near Big Sur there were two patches of kelp one with 9 otters and another with 3. And still a third group of 9 in somewhat dense kelp near shore (3-4 of them with white heads.)

Sea Otter

July 30 Notley's, 1½ mi. N. Mouth Bixby Creek, Monterey Co., California

Saw 6 at 11:30 am. Stopped in late pm. (4:50-5:55) about 5:30 watched a young otter (at least, a smallish one count light on the head feeding. Attention directed to it by hearing a sort of noise like a cormorant taking off or a murre skittering. This proved to be caused by the otter's slapping a food article (couldn't tell what kind) c both hands against its chest. At least once, I could see clearly an object about 6" in dia. x 2" deep on the otter's chest - probably a stone. Most of the time this was not visible but could be seen just after the cracking operation. Dove several times once for about 1½ minutes. At first stayed in kelp bed, then moved toward the shore & dove near a reef which was exposed between waves. Came up c food and a gray rock larger than the first. This was too much for it to manage as the eddies were strong here. Otter evidently lost the rock & dove again and came up with a small food article and a still larger rock which was so heavy that most of the time it weighed the otter down so rock was seldom visible.



RW Storer
1944

Eutamias merriami

1 mi SE San Benito Peak, 4400', San Benito Co., Calif.

Aug 6-12. This animal was extremely abundant in the Mangarita chaparral and in more or less scattered Mangarita bushes in this area, its various calls being characteristic noises here. One shot on August 7 had a Mangarita berry in its cheek. (Moult pattern shown on adjacent page.) These animals were noticeably less common in the burned over ridges to the east where the bell sparrows occur.

RW Storer
1944.

Eutamias merriami

4548 ♂
Manzanita Berryessa Rt cheek pouch.

RWStorer
1944

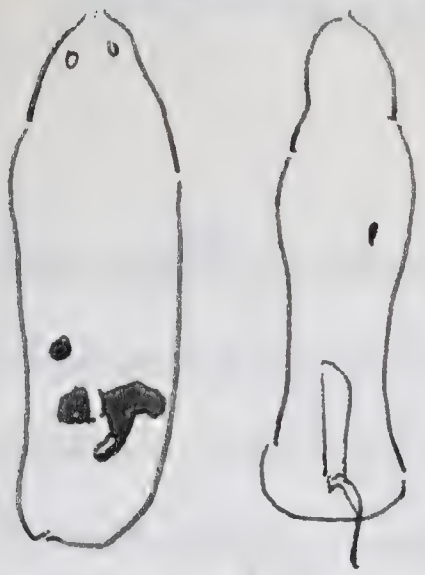
Thompson's Station

1 mi SE San Benito Peak, 4400', San Benito Co., Calif.

August 9. Trapped one near the stream where 3 set to sets in recently workings about 100 feet apart. One set failed to yield an animal and it is possible that they were the workings of the same animal. Gopher sign was very scarce & only occurred along the stream.
See next page for moult pattern.

Rostock
1944.

Thononys bottae



475 ♂

RW Storer
1997

Peromyscus californicus

Aug 26. Cammatti Creek, 1450'; Santa Ynez Mts., Santa Barbara Co., California

Trapped and ad ♂ under a manzanita bush on the hillside west of camp. Skull cracked, most cured. Practically no grass present. Animal had a large manzanita berry in each cheek pouch.

RWStorer
1997

Dipodomys

Aug 26, Cammatta Creek, 1450'; San Luis Obispo Co, California.

The four ~~dipos~~ caught in open mixed chaparral. one had 2 manzanita berries & small grass seeds and 2 others had pouches full of grass seeds.

Rewstone
1944.

Dipodomys elephantinus

1 mi SE San Benito Peak, 4400'; San Benito Co., Calif.

Aug. 6-12. one collected Aug. 9 in Museum special trap set under a Manzanita bush on the hillside first north of camp. The hillside had very little vegetation - scattered Manzanitas & Pines and no grasses or ground cover over the disintegrated serpentine. No definite sign noted around the bush. Oat meal bait used. Moult pattern on adjacent page.

Rostoker
1944

Dipodomys elephantinus

4681

Rw Storer
1944

Peromyscus maniculatus

1 mi. SE San Benito Peak, 4400', San Benito Co., Calif.

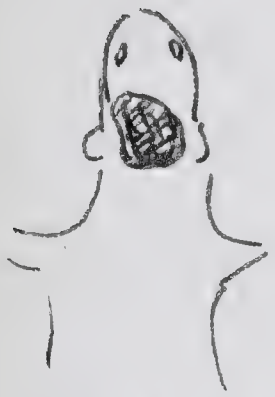
Aug 6-12 caught 8 in 190 trap-nights in the streamside vegetation near camp. (23.75 trap nights per animal). In all cases the animals were in the willow & grass near the stream & were thus in a different type of habitat from the trees. Molt patterns shown on adjacent page.

R.W. Storer
1944

Peromyscus maniculatus

464 ♂

465 ♀



466 ♂

467 ♀

Rowstorea 1944

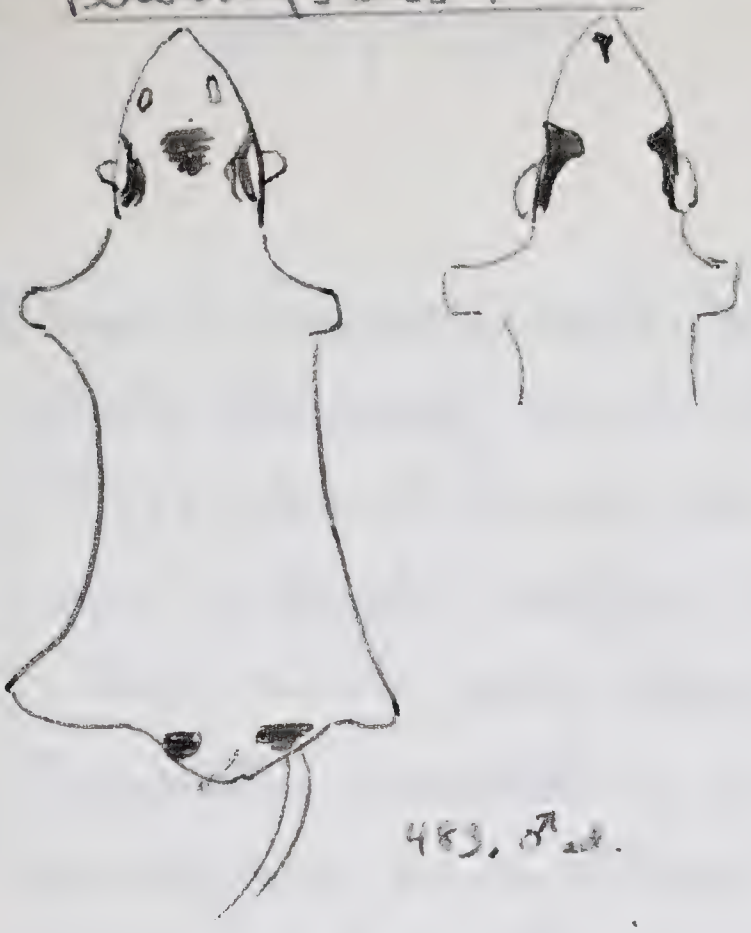
Peromyscus truei

1 mi. SE San Benito Peak, 4400', San Benito Co., Calif.

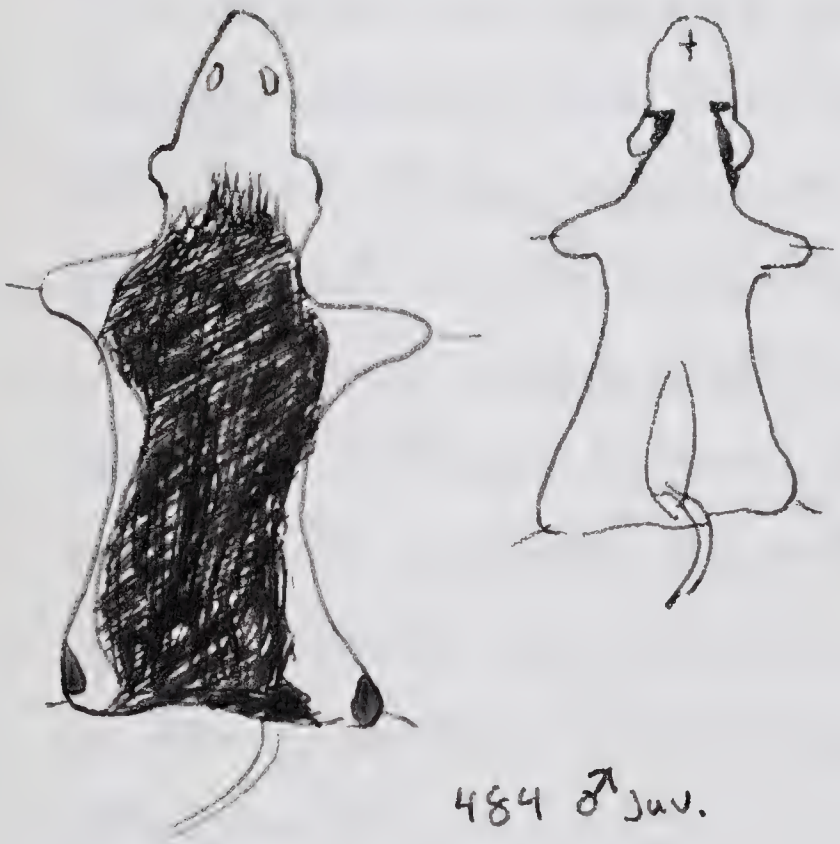
Aug 6-12 Trapped two on August 10 - one under a Ceanothus cuneatus & one under a Manzanita both within 10 feet of the stream side vegetation but in a dry chaparral type of habitat which is sharply marked off from that of P. maniculatus. & molt patterns shown on adjacent page.

Rhoads 1944.

Peromyscus truei



483. ♂ ad.



484 ♂ juv.

RW Storer
1945

Gray Whale

May 20 1 mi S Malpaso Creek, Monterey Co., Calif.

While driving south along the coast highway (Rt 1) about 1 mile south of Malpaso Creek, we saw a whale surface 200 yards or so off shore near some kelp beds. After stopping we saw 3 whales travelling north together - 2 almost touching each other. They were perhaps 30' long & relatively small-headed baleen whales. There was no dorsal fin but a noticeable angle where the back started sloping to the tail. They were brownish gray heavily mottled on the back. The spout was not high and was rather sloppy probably due to the rather strong on-shore wind. The animals would surface & spout three or four times in a row and would then make a long dive coming up quite a distance to the north.